

EST.  1990

**33 YEARS**

# GREAT NORTH HARDSCAPE

# EMERSON

SOLUTIONS SIMPLIFIED

JOINTING MATERIAL • HARDSCAPE TOOLS • HARDSCAPE EQUIPMENT • ADHESIVES • GEOFABRICS • GEOGRIDS • SEALERS • CLEANERS • SYNTHETIC BASE • PORCELAIN PAVER TOOLS • SUCTION EQUIPMENT • HARDSCAPE SPIKES • PAVER EDGING  
HARDSCAPE TOOLS • HARDSCAPE EQUIPMENT • ADHESIVES • GEOFABRICS • GEOGRIDS • SEALERS • CLEANERS • SYNTHETIC BASE • PORCELAIN PAVER TOOLS • SUCTION EQUIPMENT • HARDSCAPE SPIKES • PAVER EDGING • JOINTING MATERIAL  
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**GREAT NORTH HARDSCAPE div. Snapedge Canada Ltd.** is the manufacturer, technical representative and exclusive distributor of world-class brands for all your hardscaping needs. Our strength is offering cutting-edge products and essential accessories in a simple way to the Hardscape industry across Canada. We are, Solutions Simplified.

To achieve this, GNH relies on 4 cornerstones:

### OUR DEALERS

Since 1990 we've specialized in bringing reliable products and innovations to the hardscape industry through our dealer network. **Our unique approach;** combines our own manufacturing with the manufacturing of other world class companies to offer the highest quality products and the **freedom of choice** for our dealer network. We are proud of our ability to supply and service the industry from Paver Manufacturers to Hardscape yards (no matter their size) with everything they need to outfit their contractors.

### OUR MANDATES

At GNH, we are guided by a **customer service & continuous-improvement philosophy.** We realize that our dealers need a simple way to supply reliable hardscape accessories in their offering. We realize Canadian contractors have a very tight season to maximize revenues so they need **reliable worry-free** accessories to create those inspired outdoor spaces.

To this end; we invest heavily into inventory to supply everything that a hardscaper needs. Our goal is, to engage, educate and evolve hardscape professionals and improve their hardscape life. **We are committed to this industry 100%.**

### OUR PRODUCTS

As a national company, we are committed to supplying all our products at the **best possible prices without compromising product quality** and performance by setting and meeting the highest possible standards. To achieve this we work with only the highest quality raw materials and partner manufacturers from around the world.

GNH has the largest selection of affordable high-performance hardscape accessory products in Canada.

### OUR TEAM

Our sales representatives are seasoned, proficient individuals with a passion for **service and innovation.** Our process; from selling to shipping, is infused with a sense of urgency and care. Our operations team closely monitors delivery rates, lead times, customer feedback, errors and successes in the **spirit of continuous improvement.** Each employee in every department of the company is passionate about the success of our customers and our company so we act as one cohesive team to provide the right expertise and solutions.

**Our people are the heart and soul of GNH.**



**Attilio Renon**

President, Great North Hardscape  
div. Snapedge Canada Ltd.



All Weather



Canadian Made



Innovative Idea



Lifetime Warranty



No Assembly Required



Protect Your Eyes



Rapid Set



Safety First-Overhead Hoist



Salt Blocking



True Performance



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Photos courtesy of Western Interlock  
[www.westerninterlock.com](http://www.westerninterlock.com)

# EDGING



At less than 1% of your overall site costs, Paver edging should never be compromised. With over 30 years of successful installs. GNH edging offers the best mechanical connection to the earth when properly installed. Visit our website for instructions on how to properly install our edge restraints.



## How to scan our QR codes

Open your camera app and position the lens over a QR Code until the code is visible on your device.

- Many smartphones will read or scan the QR code instantly.
- You can then tap the link to navigate OR the page will pop up automatically.

Having Trouble? If this does not work on your mobile device, you may need to download a QR code scan app.

## Snap Edge®

Protect your reputation with a proven performer.



**SNAP** **EDGE**  
Patented  
**PAVER RESTRAINT**

- ✓ Ideal for commercial projects, alleys, driveways, patios, or sidewalks
- ✓ A reliable choice for contractors, architects, and homeowners
- ✓ Use with paver and natural stone 50mm - 100mm thick.
- ✓ 8' pieces with a 1 7/8" back wall height and 2 7/8" wide base
- ✓ Available in half pallet of 288 pieces and full pallet of 672 pieces
- ✓ Install with 10" common landscape spikes

- One piece system simplifies inventory needs
- Straights, curves and complete radius without waste
- Open base design for healthy green grass next to paver
- Lap bond connection easily locks piece to piece
- Thickest nail boss collar for greatest lateral support
- Easy to handle - 2 pieces securely nest together.
- Made from 100% recycled high density polyethylene
- Easy to snip and quick to install
- Original snip-on-the-go to modify shape quickly
- Snap Edge® is invisible after installation
- Trusted by Pros for over 30 years
- Install with 10" Common or Spiral Landscape Spikes

## PROTECT YOUR REPUTATION



Use our Quick-E-Hammer to ease installation!



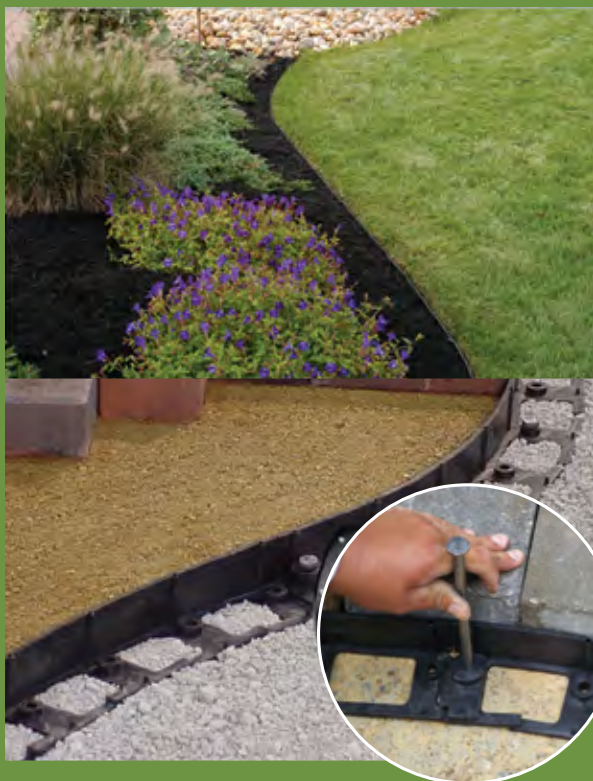
Built-in Connectors



Commercial Project



Residential Project



## Barrier™ Paver & Landscape Edge

2-in-1 Product to Secure Your Hardscape

- ✓ Perfect for homeowners and do-it-yourselfers
- ✓ Creates a permanent barrier between different landscape materials
- ✓ Easy to install and gives professional results
- ✓ Pro choice for contractors
- ✓ Can be used as a landscape edging or paver edge restraint
- ✓ Single piece flexible design can be used for straight runs, curves or tight bends
- ✓ 6' 8" pieces with a 1 7/8" back wall height and 2 7/8" wide base
- ✓ Ideal for 50 mm and 60 mm pavers

- Helps secure paver bricks and prevents pavers from moving horizontally
- Open base design allows grass root growth to help anchor edging in place
- Barrier™ is invisible after installation



## PermEdge – Spikeless Edging

Open Grade Edge for Residential and Light Commercial

PermEdge holds permeable pavers in place. It was created to avoid the high cost and cumbersome appearance of a concrete curb in residential and light commercial permeable paver applications. PermEdge has the same great features of Snap Edge® with the addition of a permanently attached geogrid anchor.

- Fully assembled spikeless edge
- No costly concrete to pour
- Reduce delays in project construction
- Can be installed in straight runs or curves
- Edging remains hidden after completion
- Perfect for 60 mm and 80 mm pavers
- Installs on top of permeable paver bed



**PermEdge™ Paver Restraint is an 8' Snapedge pc. with 4' wide grid fully attached & ready to install. No spikes required.**

**NO SPIKES REQUIRED**



## Stronghold™ Aluminum Paver Edge

Made in Canada from recycled Aluminum. For Pavers 50mm - 80mm

- 8'4" lengths
- One piece does straight or curved patterns
- 90 degree angles without cutting
- Will not warp in heat or crack in cold
- Easy to insert piece to piece connection system
- Stronghold™ can be installed under pavers

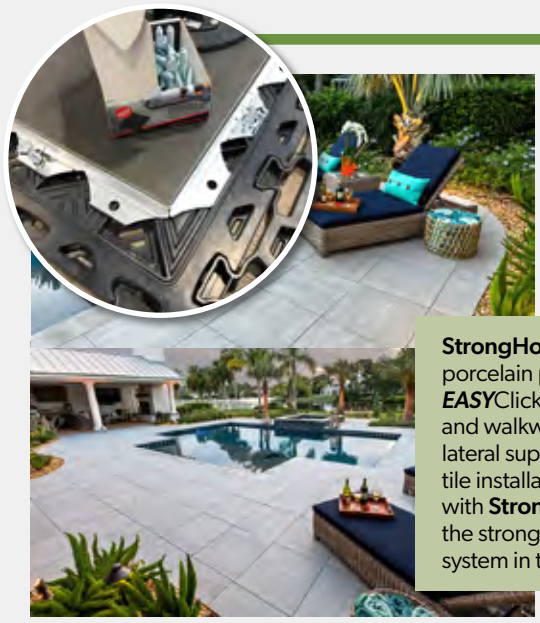


### A permanent, aluminum paving restraint system ideal for:

- ✓ Walkways
- ✓ Driveways
- ✓ Entryways
- ✓ Patios
- ✓ Cart Paths
- ✓ Pathways
- ✓ Courtyards
- ✓ and more...

### Unit Specs

- ✓ 1 Piece = 8.33 linear feet (2.54 m)
- ✓ 1 Piece back wall height = 40mm
- ✓ 1 Pack = 10 pcs = 83.3 linear feet (25.4 m)
- ✓ 1 bundle = 30 pcs = 249.9 linear feet (76.2 m)
- ✓ 1 Pallet = 300pcs = 2500 linear feet (762 m)



## Stronghold Aluminum Porcelain Edge

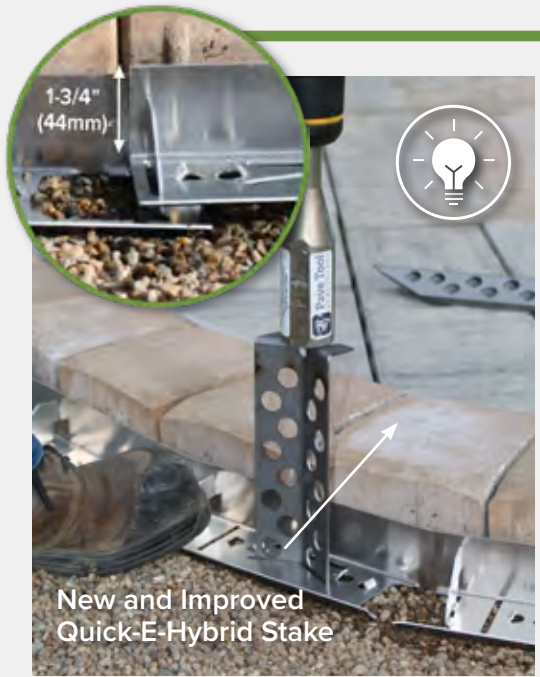
For outdoor porcelain paver system installations

Our Stronghold Porcelain paver **tile edging** is the strongest solution to secure the perimeter of your porcelain paver installation, providing unmatched lateral support and stability, **StrongHold Porcelain Edge** is made from 100 % recycled aluminum.

**StrongHold Porcelain Edge** is ideal for porcelain paver tile system installations on **EASYClickbase** driveways, patios, pool decks and walkways and is used to offer a strong lateral support for the perimeter of a porcelain tile installation. Fasten to **EASYClickbase** with **Stronghold Hex-head Base Screws** for the strongest synthetic base porcelain paver system in the industry.

### Unit Specs

- ✓ 1 Piece = 8.33 linear feet (2.54 m)
- ✓ 1 Piece back wall height = 15mm
- ✓ 1 Pack = 10 pcs = 83.3 linear feet (25.4 m)
- ✓ 1 bundle = 30 pcs = 249.9 linear feet (76.2 m)
- ✓ 1 Pallet = 300pcs = 2500 linear feet (762 m)



## Quick-E-Hybrid Edge Advantage

1 Product = 2 Solutions

- Use with the QUICK-E-Hybrid Stake (sold separately) for permeable applications
- Use a standard 10" flathead landscape spike installed on a 60° angle to prevent uplift in dense grade applications (Use the QUICK-E-Hammer for ease of installation. Sold separately)
- Great for edging landscape beds also!
- Easy to cut and form around curves
- Easier connection method!

**Q: How many stakes do I need/pc?**

**A: 5 per 6'6" piece**

- 30 pc. Bundle=2 boxes of stakes (75 stakes/box)
- 1/2 Pallet = 26 boxes of stakes
- Full Pallet= 52 Boxes of stakes

### Size Options:

- Bundle (30 pc. - 200 LF)
- 1/2 Pallet (390 pc. - 2,600 LF)
- Full Pallet (780 pc. - 5,200 LF)



Learn More

New and Improved Quick-E-Hybrid Stake

\*Stakes & Spikes Not Included

## Snap Edge® – Low Profile

Ideal for Natural Stone or Pavers Under 2" in Height

Low Profile comes in 6' 8" lengths and has a back wall height of 1 3/8". It is designed to be used with pavers or natural stone 1"- 2" thick.

- Injection molded strength and stability
- Thick back wall reinforced by buttresses to keep an interlocking pavement system in place
- Strong interlocking joint
- Robust spike holes for strongest support
- Open base design allows for better grass growth
- 100% recycled HDPE (High Density Polyethylene): resists warping, twisting, and breaking



## Stronghold™ Precision Edge

Create Crisp Lines and Smooth Curves



Made in Canada from 100% recycled high density polyethylene. Most commonly used for landscape beds Stronghold™ Precision Edge can be used to separate natural or synthetic turf from planting beds, mulch, stone, decorative glass, and simply all landscape applications.

- Precision Edge is the strongest landscape edging available made from the most pliable plastic in the world
- Stronger than aluminum edging
- Mimics black aluminum edge for less money
- Will not break or fracture under any circumstances due to its solid core construction
- Ideal for straight lines, curves, and corners
- No colouring agents or chemical additives. 100% recycled material only.
- Great finishing edge for all landscape applications
- Non-stick surface makes our products ideal for concrete forms
- Will not rot or break down over time like wood products
- **Black edging available in 4" and 6" heights**
- **Ships in 20 foot rolls**



The 4 components of the precision edge system include 20' of edging, 4-12" stakes/20' of edging, screws, & 1 connector.



# EdgeCrete – Paver Edge Restraint

Designed for Open Graded Base & Permeable Applications

Introducing EdgeCrete, GNH's Paver Restraint in a bag. EdgeCrete is a fibre reinforced, polymer modified concrete edge restraint designed for paver and natural stone applications on an open graded or permeable base. It also can be used with paver and natural stone applications on a standard base. Just mix ½ gallon of water with each 50 lb bag of EdgeCrete and install following the instructions.

- Fibre reinforced to resist cracking
- Polymer modified for superior strength
- Simple to install – no spikes



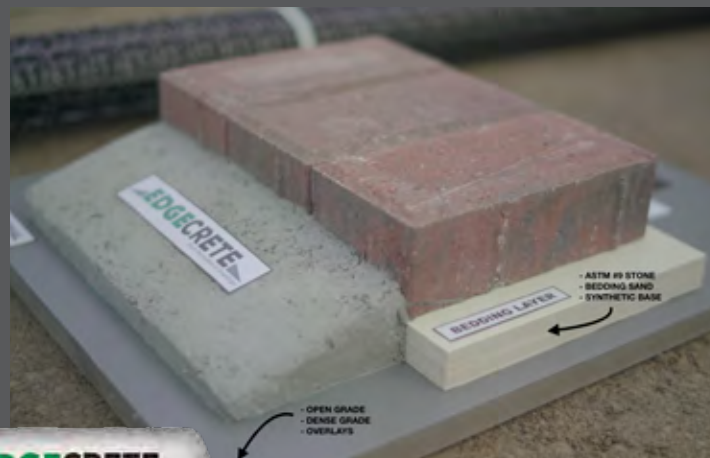
Learn More

## Coverage:

17 feet Dense Grade Base

13 feet on Hybrid or Open Grade Base

**EDGECRETE**  
From the makers of SnapEdge



Available in:



GREY

56 - 50 LB Bags  
per pallet

9

## EDGING TIPS

# GNH Edging Installation Tips



Edge Installation

### 1. Keep in Mind

Edge restraint must be used anywhere the unit pavers are not otherwise permanently restrained from any horizontal movement.

### 2. Planning

All GNH Edge restraints can be easily installed after unit pavers are laid but prior to compaction of pavers.

**NOTE:** Compacted aggregate base must be extended 6" beyond the edge of the pavers to accommodate the edge restraint and to protect against lateral movement of your project.

**The edge must be placed directly on the compacted base, not on the sand setting bed.**

### 3. Placing

Place edging all along exposed edges of the pavers in full pieces wherever possible. Make sure the unique join together features are used to firmly connect one piece to the next. If a short piece must be used, our injection moulded edges can be married at every nail boss and then spiked through the hole for seamless support and strength. Avoid using pieces that don't snap into at least one neighbouring piece.

### 4. Anchoring

- For patios and walkways, place an 8" – 10" spike every 2' except at sharp curves or corners where more concentration is required.
- Corners – one spike on each side.
- Curves – one spike in each hole until curve is complete.
- For residential and commercial vehicular applications, place a spike every 12", except at sharp curves or corners, then, same as above.
- For commercial vehicular applications, place a spike every 8" except at sharp curves or corners, then, same as above.

### 5. Backfilling

Once construction is complete, it is important to cover the edge restraint with sand, soil or sod. This is not only for appearance, but also prevents UV damage to the plastic over time, aluminum is not affected by UV.

For the installation of EdgeCrete product, the optimal air temperature is above 32° F. It can be installed in below freezing temperatures if protected with a frost blanket. EdgeCrete will tolerate light rain during installation. Do not install during heavy rainfall. For complete instructions visit [GreatNorthHardscape.com](http://GreatNorthHardscape.com).



# SPIKING

GNH Stronghold™ Nails are superior quality nails available in lengths of 8" and 10", common or spiral shaft. GNH nails are designed for use with GNH Edge Restraints such as Snap Edge®, Stronghold™, and Hybrid Edge.

## 8" Common Packaged Spikes

Ideal for Use With Barrier Paver Edge

- Consumer packed for easy resale
- Free countertop display
- Upsell in increments of 10
- Improved inventory control
- Bar coded for scanners

Length/Piece	8"
Spikes/Box	10
Boxes/Carton	24
Cartons/Pallet	39
Weight/Carton (lbs)	63
Pallet Weight (lbs)	2,500



## 10" Common or Spiral Spikes

Use with all our edging products and numerous types of landscape materials.

10" Common Spikes  
150/box (50 lb box)

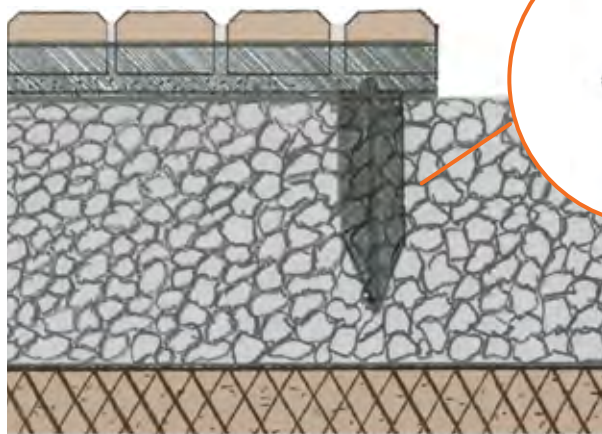
10" Spiral Spikes  
250/box (50 lb box)



## Quick-E-Hybrid Stakes

Box of 75 Stakes

- Use for all permeable applications with the Quick-E-Hybrid Edging
- Hammer in Hybrid Stake every other or every third slot  
(Note: for ease of installation use with the Quick-E-Hammer, sold separately)



# Synthetic Base

## EASYClickBase

Ground Breaking Structural Synthetic Sub-Base

**NEW**

The EASY way to create strong sub-base for patios & driveways

**EASYClickBase**

It works like this...

	TRADITIONAL METHOD	EASYClickBase METHOD
	PAVERS	PAVERS
EXCAVATION	1" BEDDING SAND UP TO 12" SUB-BASE MATERIAL NON-WOVEN FABRIC SOIL	3/4" EASYCLICKBASE 1" - 2" BEDDING SAND NON-WOVEN FABRIC SOIL
		<p><b>LESS IS MORE</b></p> <ul style="list-style-type: none"> <li>• Less Excavation</li> <li>• Less Haulage</li> <li>• Less Waste</li> <li>• Less Labour Costs</li> </ul> <p>= More \$ in your pocket</p>

## This Changes Everything!

Less is more. Especially in times like these!

- less excavation
- less haulage
- less waste
- less time to install

### Commercial Applications

- Industrial Driveways and Parking Areas
- Shopping Centres
- Pedestrian Concourse
- Walkways

### Residential Applications

- Paths, Patios and Driveways
- Pool Decks
- Confined Spaces
- Tight Access

### The Easy Click'n Lock Sub-Base System

- Quicker and more cost-effective than traditional methods
- Easy to transport and lay
- Reduces the need for deep excavations and costly waste disposal
- Requires minimal bedding aggregate
- Suitable for pedestrian and vehicular traffic
- Reduces rutting on driveways

### Driveways and more heavy duty applications

The weight distribution characteristics make **EASYClickBase** suitable for a wide range of vehicle loading without deep excavations of sub-soil.

In heavy duty applications a combination of **EASYClickBase** and sub-base may be required but the principle is the same.

**EASYClickBase** removes the need to replace tons of soil with tons of aggregate which **saves time and money**.

### Size

- 19.75" x 19.75" (without connector tabs)
- 20.75" x 20.75" (with connector tabs)
- 3/4" Thickness
- 200 Pieces / Pallet
- 542 sq. ft. / Pallet
- 3 boxes Hex Head Screws / PLT



Learn More

## Understanding ClickBase and Base Reduction Technology

### Benefits of Using EASYClickBase

1. You can drive and build on it!
2. Job completed a minimum of 25% faster.
3. Versatile – ideal for all format pavers, slabs, and natural stone.
4. Molded cells in **EASYClickBase** design allow bedding layer to integrate with base tiles for added strength and levelling of uneven stones.
5. Disperse pavers around site for quick access.
6. Slide heavy pavers into place without sticking in hot weather.
7. No grade-stepping and not affected by rain showers.
8. **EASYClickBase** can support heavy loads, i.e. 29" structure as well as bars, kitchens, and retaining walls.

### Jobsite and Project Manager Advantages

- Less is more! Less destruction. Less excavation, less haulage, less waste, less labour more time!
- Robust interlocking **EASYClickBase** panels distribute dynamic loads over a wide area for unmatched strength.
- The perfect product for tight access areas. Highly portable.

- Jobs are completed much faster than traditional way. More cost effective.
- Strong and lightweight. **EASYClickBase** is made of reliable and time tested ABS plastic used in construction for decades.
- Edge restraints are fastened directly to the **EASYClickBase**, with self tapping Stronghold™ lag screw to provide effective perimeter support.

### Work Smarter and Make More Money!

- Save 6"–12" of excavation
- Save 6"–12" of crushed stone
- Save the cost of a truck and driver on the road
- Save on dumping fees
- Save wear and tear on machinery
- Save on labour costs
- Save overall installation time
- Increase profit



Contractor  
Testimonial

## Stronghold™ Galvanized Hex Head Base Screw

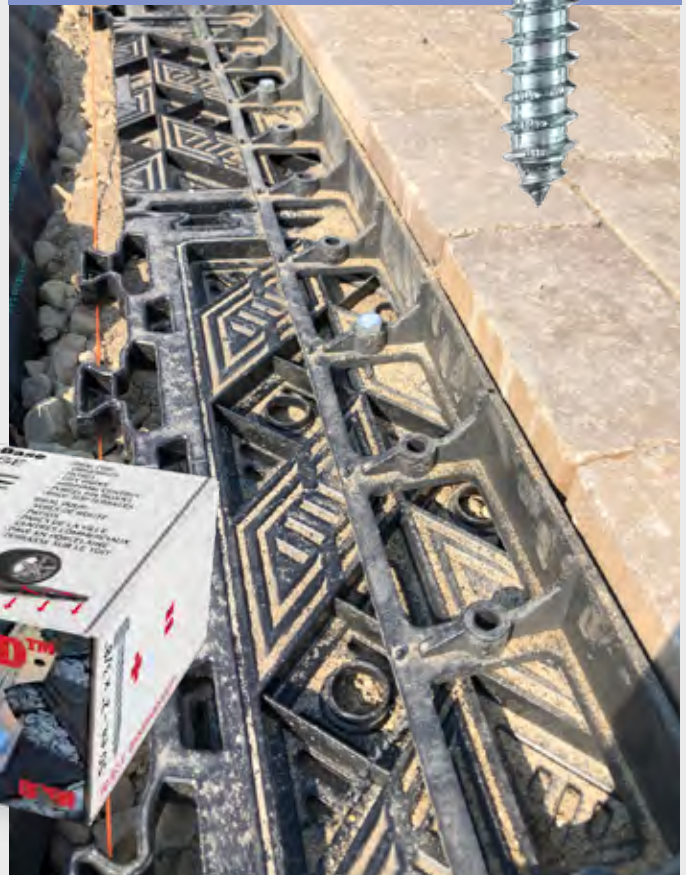
A strong connection for any edging on alternative base systems. Can be removed easily if needed.

Used to fasten Snap Edge & StrongHold to **EASYClickBase** and foam base systems adding strong lateral support.



### TECHNICAL INFORMATION

- 2" X 3/8" Diameter
- 50/ pack
- 12 packs/ case





# JOINTING

At GNH we offer 4 reliable jointing solutions that cover virtually every type of install, because that's ALL YOU REALLY NEED. After 30 years in the hardscape supply business, trust us when we say these 4 products cover all the bases. In recent years we've heard and seen horrific stories of sand installs gone wrong, and that's why we're confident in our brands, **we have the most important ingredient of all...RELIABLE PERFORMANCE!** From tight to wide joint, from porcelain to permeable and from overlays to natural stone, our 4 sands perform better than any other brand, with 15 years of installs to back our claims! Ask for GNH brands by name and don't worry about your jointing days. **We've got your back!**

## Polysweep High Performance Polymeric Sand

### Ideal For

- Traditional, overlay & porcelain applications
- Works above 32F (0C)
- Rain safe 24 hours after water activation
- Waterproof bag
- 15 year history with no callbacks
- Faster installation time
- Easy watering process
- Sets top to bottom better than competition
- Up to 1" wide joints
- HAZE FREE GUARANTEE

### Features

- Residential & Commercial Use
- Traditional, overlay and porcelain applications
- Concrete pavers, porcelain pavers, natural stones, wet cast products, clay pavers.
- Driveways and parking spaces, patios, pool decks, walkways, commercial projects, street-scaping & steep grades
- UNIQUE ORIGINAL formula covers multiple applications better since 2008!



## Residential & Commercial Applications:

**Driveways • Walkways • Patios • Pool Decks & Concrete Overlays • Concrete & Clay Pavers • Natural Stone • Cast Stone • Porcelain Tile**

### Use Polysweep sands to do all this....

- ✓ Ideal for Residential & Commercial Applications
- ✓ Driveways, Walkways, Patios, Pool Decks & Concrete Overlays
- ✓ Concrete & Clay Pavers • Natural Stone • Cast Stone • Porcelain Tile
- ✓ Regular & X-Treme Wide Joint PolySweep are calibrated sands conforming to the ASTM C-144 standard,
- ✓ Sophisticated polymer binders allow joints to expand and contract and remain flexible to resist cracking. during extreme heat/cold and freeze/thaw cycles.
- ✓ Specially formulated with Clear Set Technology® which uses the highest quality, clearest synthetic polymers.
- ✓ PolySweep will not discolour the surface or leave behind a haze.
- ✓ Polysweep is recommended for joints up to 3/4", but 1" is acceptable where pavers intersect.
- ✓ X-Treme Wide Joint PolySweep is specially formulated for joints ranging from 1/8" up to 4".
- ✓ For best performance, install both PolySweep or X-Treme Wide Joint PolySweep with a minimum depth of 1.5".
- ✓ Both products prevent sand erosion from the pavement joints caused by rain and other water run-off,
- ✓ deters weed growth and insect infestation.
- ✓ Polysweep Original Canadian Stock Colours: Tan, Platinum and Black
- ✓ X-Treme Wide Joint Canadian Stock Colours: Tan, Platinum and Black

## Sample & Brochure Centre



The PolySweep Sample & Brochure Centre offers a low-profile convenient place to neatly organize samples & literature for quick easy access.

Showcase the different colours available

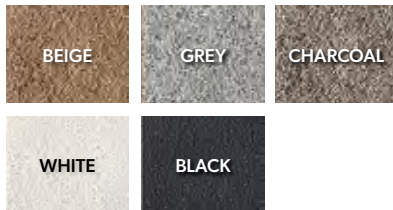


**OSHA  
COMPLIANT**





Five clean natural stone colours make EVOLUTION ideal for designers:



## THE EVOLUTION POLYMERIC SAND ADVANTAGE

For joints from 1/8" to 4" wide

- Exceptional time tested performance. A No-Haze sand used by contractors for over 18 years on large scale commercial projects and high end residential.
- For joints from 1/8" to 4" wide
- Pure, natural colours sourced from natural sand, quartz and granite. No dyes or pigments means no fading.
- Will not change the original aspect of your stone or pavers
- More flexible movement
- Formulated specifically to resist temperature variations freeze/thaw cycles (superior to cement or mortar products)
- Resistant to ice melters, rock salt and acids cleaners
- Fast setting and drying time
- Minimum temperature for installation 0°C (32°F) means you can install early spring and late fall.
- Safe to use near swimming pools
- Appropriate for all the types of concrete pavers and natural stone
- Ideal for pedestrian or high vehicular traffic and commercial applications
- Works for flat or sloped surface installations -stays in joints with minimal wash-out
- Helps prevent weed growth and ant hills
- Can be used indoor (minimum required depth for the joints : 0.75")
- Safe to use near swimming pools
- Appropriate for all the types of concrete pavers and natural stone\*
- Ideal for pedestrian or high vehicular traffic and commercial applications
- Works for flat or sloped surface installations
- Stays in joints with minimal wash-out



# Activates with ONE generous watering!

**EVOLUTION**  
Polymeric Sand



- Saves watering time
- Cleans pavers better
- Makes stronger joints





# EASYJOINT – Permeable Jointing Compound

Residential & Commercial Non Vehicular Areas with:

- Porcelain Pavers on Synthetic Base • Wetcast & Natural Stone
- Concrete Pavers • Residential Vehicular Areas • Traditional Interlocking Pavers.

EASYJoint is designed for use on a free draining site. Before using check that the site conditions are suitable for the use of EASYJoint, which is a permeable jointing solution. Visit [GreatNorthHardscape.com](http://GreatNorthHardscape.com) for full installation instructions and videos.

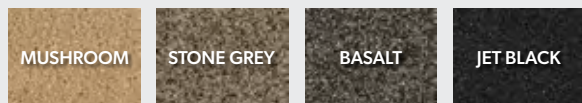


Installation Video



- 12 Years of in market performance
- Up to 5" Joints
- Can Install in Wet and Cold Weather (Down to 3° C)
- No Worry joint Scheduling – No Return Visits
- Wet Applied – Air Cured (Impossible to over wet)
- Ideal Sized Tubs
- Simpler & Faster Than Traditional Methods
- No Waste (Scoop up left-over product – fill bucket with water for future use)
- Durable and Long Lasting
- Unlimited Shelf Life
- Freeze Safe
- Suitable for light vehicular use on dense grade driveways.
- Ideal for shoulder season Installations (April-May & October-November)
- Excellent DIY product – Easy to install
- Home owner TIP: For pool splash zones be sure to rinse pool deck with clean water to prolong the life of EASYJoint.
- Heavy chlorine saturation can cause "sluffing" off of particles.

Available in four rich colours:



**SAFEGUARD AGAINST RAIN DELAYS** + **OUR FORMULA FILLS JOINTS EASIER** + **LIQUID MATRIX BIO-RESINS PROVIDE ADDED STRENGTH!**

- EASYJoint is ready-to-apply jointing compound that can be used in wet or dry conditions.
- For joints & intersections ranging from 3/32"(3mm) to a maximum of 5" with a minimum depth of 1" .
- EASYJoint is a contractor approved formula used by thousands the world over.
- **GNH representatives are expertly trained in EASYJoint installations to train your team.**

## Features

- ▶ Stronger formula for vehicular loading\*
- ▶ Full joint set-up
- ▶ **EASY** Joint formula requires less power wash maintenance long term.\*\*
- ▶ Rapid *flow-joint* technology uses less water.
- ▶ Flows better into joints than competition.\*\*\*
- ▶ Plant Based Bio-resin formula.

## Rain or Shine...it goes in fine!

- ▶ More strength
- ▶ More predictable sanding days
- ▶ More durability
- ▶ More chemical resistance
- ▶ More ECO friendly packaging.
- ▶ Less waste.
- ▶ Less weather delays.
- ▶ More history with **14+ years** of installs

Coverage per one 27.5 lb (12.5 kg) tub						
Paver or Stone 12" x 12" x 2-3/8" (30 cm x 30 cm x 60 mm)						
with joints ranging from 3/32" to 2" (3 mm to 50 mm)						
	Minimum 3/32" joint (3mm)	3/16" joint (5mm)	3/4" joint (19mm)	1" joint (25mm)	2" joint (50mm)	Maximum 5" span (127mm)
	MOST COMMON JOINT SIZES					
Square ft.	63	40	10	8	4	EasyJoint can handle up to a 5" wide span, common with irregular shaped natural stone intersections.
Square m.	6	4	1	0.5	0.25	

\* Suitable for residential vehicular applications where the presence of a traditional bedding layer INTERLOCKS pavers in place.  
 \*\* Competition recommends regular monthly power washing to sustain their permeability.  
 \*\* EASYJoint has recorded minimal obstruction of permeability of up to 7 years without power washing.  
 \*\*\* EASYJoint contains a unique sand mixture that allows a better, more even flow than the competition when filling joints saving time and water during installs

# EASY Jointology

## Precautions for Use:

### 1. Base Must Be Free Draining

- When using EASYjoint the base and bedding must allow water to evacuate the system. If this is not the case then do not use EASYjoint.
- If water is retained in the joint for long periods, rather than passing through, the joint may fail.
- Please refer to your local engineer or ICPI tech spec on free draining base specifications to ensure desired results.

### 2. Surface Material Must Be Firmly Bedded Into the Base Material

EASYjoint has good compressive strength and can easily withstand the downward pressures exerted by a domestic car under 3 tonnes provided that the surface material is properly bedded into the base material.

### 3. EASYjoint Does Not Form a Structural Part of the Driveway (not recommended for hybrid base applications)

- If the surface material is not adequately bedded into the base then the joint filler will not withstand the twisting (or torque) caused when a vehicle changes direction (i.e. turning).

- GNH recommends the use of a high performance engineered edge restraint. To ensure your pavement stays put, GNH recommends the use of Snap Edge® for all permitters.

### 4. Work Clean

Clear both the sand grains and the binding oil from the surface as you go.

- Keep washing until the “rainbow effect” oily water is no longer evident.
- Once EASYjoint has set hard in the joints, sweep the paving with a stiff broom, diagonally to the joints, to remove any final traces of compound especially along the edges.
- Do not use the same broom that was used in the application process.

### 5. Joint Spacing

- Ideal joint width (3 mm). Use of a Weber Roller Compactor will assist with consolidation for joints under 3 mm.
- Ideal joint depth (25 – 30 mm minimum).

## The Application Process:

### 1. Wet the Paving

Soak the area to be jointed with water, then empty product onto the wet pavers.

- The paving must be saturated before starting and remain soaked throughout the application process – the wetter the better.
- Do not shortcut this process, particularly if working with absorbent or sensitive materials such as sandstone, granite, and many limestone types. Particularly sensitive stone will need sealing, preferably before laying, on its surface and edges.

### 2. Work Quickly

It's preferable for two operators to work together; one sweeping, the other using the hose.

- Using small quantities of EASYjoint, simultaneously spread and wash the compound across the surface using a light jet of water and a hard bristle broom or squeegee, allowing it to fall into the joints.
- Never allow EASYjoint to stand in piles or allow the paving to dry with any remaining on its surface.

### 3. Continuously Wash the Paving

The hose operator should alternate between following the sweeper to aid washing the compound into the joints and moving ahead of him/her so that the paving is always wet. This is particularly important in warm/hot weather conditions.

### 4. Top Up Any Low Areas

Repeat steps 1, 2 and 3; “the washing process” if any low areas appear after initial pass.

### 5. Final Wash and Clean

Apply a final gentle spray of water to wash off any EASYjoint residue and to aid the final compaction.

- Work conscientiously not to leave any grains of sand on the surface or the rainbow effect caused by the linseed oil.
- When the water has drained away, a “flicking” motion with a clean soft bristle broom (not the same one used to apply the compound) will remove any loose grains.

### 6. Smooth the Joints

While not essential, “point” or “strike” the surface of the joints with a suitable finishing tool.

- This will assist in checking for low spots whilst ensuring the joints are uniformly below the surface of the paving. It will also aid in keeping the joint cleaner for longer. Start once the paving has dried and the joints are drained, applying virtually no pressure to the tool – it is only to finish the joint, not compress it.

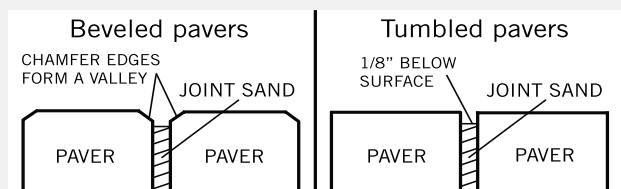
### Storage

- Leftover EASYjoint can be saved by pouring it back into the tub (not in the bag) and covering it with at least 2" of water.
- The product should remain usable for up to 12 months.

## JOINTING TIPS

## 9 Expert Tips on Using Polymeric Sand

### 1. Don't Cheap Out on Sand



Be sure that joint sand does not exceed the bottom of the chamfer on beveled pavers or 1/8" below the surface of non-beveled or tumbled pavers.

Some sand manufacturers add portland cement, use lower-quality polymers, and blend less refined sand in order to cut costs. While this will save you some money in the short term, you'll just wind up needing to redo your work, waste time on the installation process, or worse damage your reputation.

The polymers that last longest cost a little more but you'll notice a difference in the sand quality the moment you cut open the first bag and start spreading. The perfect blend of polymers, natural sand, and fines is what gives polymeric sand its cohesion strength.

### 2. Read the Instructions

Each manufacturer puts installation instructions on their packaging for a reason. Save yourself a lot of stress, mess, and money and follow the directions on our bags and in our videos. Improperly installed poly sand can ruin a great paver project.

### 3. Take Your Time

Set aside ample time for the project, haste makes waste.

### 4. Check the Weather

You will need two days of sun and dry weather in order for the paver joints to set properly. A hard rain could require you to start over. If rain shows up before or shortly after finishing your installation of poly sand you will have a literal mess on your hands. Installing polymeric sand when the surface of your pavers is wet can also cause unwanted sticking of the polymers to the surface which can make them difficult to remove. If it rains after you're done and the sand hasn't had time to gel, the sand may wash out onto the top of the pavers and require certain paver areas to be reinstalled. Mind the weather carefully and remember EASYjoint is an all weather solution when you need to install in wet conditions.

### 5. Use a Broom to Fill Gaps

Sweep off excess PolySweep or EV from the paved surface, first with a hard-bristle broom, then a soft-bristle broom. Take care to leave the height of the polymeric sand at least 1/8" (3mm) below the edge or chamfer of the paver. Properly filling the gaps of a paver is vital to a successful installation. Using a back and forth motion, brush a push broom

over the sand to ensure that each joint is filled to the entire depth of the paver. After brooming it into the joints, pack the sand down with a roller compactor to remove air pockets and eliminate inconsistencies throughout the polymeric sand.\*

**NOTE:** Skipping this step may save you time but you'll also risk having joints that settle, crack, and break over the long term.

### 6. Remove Excess Residue With a Leaf Blower

Use a leaf blower at its lowest setting to blow away any excess polymeric sand residue. Angle the blower at roughly 30 degrees to ensure you're not blowing sand out of the cracks. You want to make sure you're removing all the dust off the surface of the pavers which may cause staining on the pavers after drying.

**NOTE:** Although EV doesn't require this step we still think it's quick insurance and recommend this step to ensure success.

### 7. Shower Your Pavers to Seal and Harden the Sand

As with any sand watering is the tricky part. For PolySweep use the light pressure of a shower nozzle to gently water the sand according to the instructions wet the joints to full depth.

**NOTE:** Don't use a hose's normal pressure to spray your pavers. You want to saturate your sand just until the water stops soaking into the joint. Remember, using too much water too quickly can wash out the polymers while too little water can leave your joint fragile and susceptible to cracking under slight distress. EV's formula is a little different and requires one generous watering so be sure to follow the instructions on the bag.

### 8. Don't Use Too Much Water

When watering either PolySweep or EVOLUTION you shouldn't water too much or too little. Remember Goldilocks' "just right"! The amount of water you use is a critical element to an installation. Using too much water can cause the joint to over-saturate and result in polymer washout, mushy sand, and a weak bond. It can also result in excess sand spreading onto the surface of the pavers which is both hard to remove and an eye sore. Conversely, failing to use enough water leads to an incomplete polymer activation (skin layer), weak bond, washout, and less resistance to weeds and ants infestation.

For complete instructions visit [GreatNorthHardscape.com](http://GreatNorthHardscape.com) and navigate to our Polymeric Sand pages.

### 9. Let Your Pavers Rest

No matter where you install the pavers you want to recommend time to set and rest. Advise your clients to keep away from walks and patios for at least 24 hours. If the pavers are for a driveway wait 48 hours before driving over them. Before you try to seal the pavers it's best to wait 30 days. They need weeks to fully cure. Water based sealers such as Surebond can be applied immediately and are recommended in place of watering to activate the polymeric sand and seal the surface in one process.

\*Ideally, you'd use a rolling compactor or plate with a neoprene pad protector to run over the surface of the pavers and eliminate air pockets in the joint sand.

# BONDING

For long lasting results; bond your Hardscape & Construction projects with GNH specialty adhesives.

## Stronghold™ Polyurethane Spray Foam Adhesive

Maximum Strength for Hardscapes and Construction

- Quickest, cleanest and strongest adhesive for any hardscape application
- Adjustable bead size
- Maximum yield – no waste foam formula
- Easy gunning, no hand cramps
- Increased efficiency, precise delivery
- 8 minute tack time
- Works on wet stone and in low temperatures
- Rapid set permanent bond in 1 hour



### Best bond for:

- Concrete
- Pavers
- Stone
- Bricks
- Porcelain
- Drywall
- Wood
- Plywood
- Foam
- Fibreglass
- PVC
- Non Galvanized Metal



1 Can = 6 x 28 oz tubes of traditional adhesive

# SB-15 Rapid Set Adhesive

Superior Strength, Quick Set-Up Hardscape Adhesive

- Faster Set Up – 70% Faster than SB-10
- Superior Strength Adhesion – 35% Stronger
- Rigid & Durable Bond
- Can Be Applied on Wet & Frozen Block
- Moisture Resistant
- Weather resistant
- 50% stronger permanent BOND
- 50% more flexible than competition



Ideal for Caps, Steps, Columns, Seat Walls, Retaining Walls, Grill Surrounds, Outdoor Kitchens and any exterior application where a superior strength bond and quick set up is beneficial.



Available in both 10oz and 28oz tubes.

## NEW & IMPROVED

- 10.3 fl. oz.
- 1/8" bead – 103 linear ft.
- 1/4" bead – 26 linear ft.
- 3/8" bead – 13.5 linear ft.
- 28.0 fl. oz.
- 1/8" bead – 288 linear ft.
- 1/4" bead – 86 linear ft.
- 3/8" bead – 38 linear ft.



# SB-10 Paver Bond Adhesive

High Strength Structural Grade Hardscape Adhesive

Formulated for dry and wet surfaces, caps, steps, columns, seat walls, retaining walls, grill surrounds, outdoor kitchens, clickbase installations, overlays, pool coping, and any exterior hardscape application where a high strength bond is beneficial.

Proven performer used in commercial and residential projects for over 25 years:

- Improved adhesion
- New and improved faster setup
- Extra rigid and durable

Available in both 10oz and 28oz tubes.



LOW VOC, All weather, Permanent Bond in 24 hours

- Use on wet and frozen block
- VOC compliant





# FABRICS & GRIDS

## 50+ Years of Geotechnical Performance

GNH fabrics and grids have been developed, manufactured and rigorously tested for codes, material properties and performance to provide the hardscape contractor with peace of mind when installing our products.

## 135N Residential Patios, Walkways & Driveways

Residential Non-Woven - 4.1oz

For patios, walkways, driveways, stair systems, retaining walls, pedestrian easy click base applications, and landscape bed covering.

- Subsurface reinforcement to aggregate base systems
- 175 lb/ft ASTM D6241
- High water flow rates 155 gal/min/ft<sup>2</sup> ASTM D4491
- High soil separation for retaining walls and slopes
- Adds value to the overall construction project
- Permanent erosion control

GNH Geosynthetics are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).  
Trusted and widely specified by Engineers for over 60 years.



Available sizes:

- 4'2" x 360'
- 6'3" x 360'
- 8'4" x 360'
- 12'6" x 360'

**Disclaimer:** GNH assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. GNH disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.



## 140N & 140NC Commercial Patios, Walkways & Driveways

Commercial and Residential Non-Woven - 4.8oz

For patios, walkways, driveways, stair systems, retaining walls, pedestrian easy click base applications, and landscape bed covering.

- Subsurface reinforcement to base systems
- 250 lb/ft ASTM D6241
- High water flow rates 140 gal/min/ft<sup>2</sup> ASTM D4491
- High soil separation for retaining walls and slopes
- Adds value to the overall construction project
- Permanent erosion control

Available sizes:

- 3' x 100'
- 3' x 360'
- 4'2" x 360'
- 12'6" x 360'

## Stronghold™ HD5 Woven Green Tape Ground Cover For Patios, Walkways & Driveways

Commercial and Residential Woven Fabric 160 lbf - 3.83oz

GNH's woven polypropylene geotextile provides excellent puncture and tear resistant strength. Stronghold™ has planting stripes for easy plant alignment.

- Base reinforcement for patios, walkways, and driveways
- Poor soil reinforcement (i.e. clay)
- Performance strength for a wide range of applications
- Chemically stable in a wide range of aggressive environments
- Plant lines every 12" for easy plant alignment
- Cost effective
- Greenhouse, nurseries, and garden paths
- Temporary protection for lawns during construction
- Excellent stabilization



**Available sizes:**  
6' x 300'  
12' x 300'

## Selecting Miragrid® Helps you Sleep at Night

Decades of Testing and Performance to Support It

- **High Long-Term Design Strengths (LTDS):** Miragrid® geogrids have more than 220,000 hours (25 years) of tension creep testing performed at independent test laboratories.
- **Credible:** Dependable long term strength assured. Award-winning performance from International Fabrics Association International (IFA).
- **Cost Effective:** Creep resistant polyester fibres provide highest tensile strength, minimizing the required number of geogrid layers, lowering cost.
- **Light Weight:** Easy to handle with no sharp edges to injure your crew.
- **Flexible, Tough, and Pliable:** Minimizes movement of soil structure.
- **Strength:** Miragrid® geogrids provide the widest strength range and are the highest strength geogrid material in the market today.





4' x 50' rolls poly bagged for easy handling

1300 lbf CD

1500 lbf MD

Available size:  
4' x 50'

## MIRAGRID® XL Bi-Axial

Specifically for Low Retaining Walls and Stairways

**Ideal for:**

- ✓ Soil reinforcement in low segmental retaining walls
- ✓ Staircase structures
- ✓ Erosion control
- ✓ General landscape containment

- Resistant to biodegradation
- High molecular weight, high tenacity adds stability
- Resistant to naturally encountered chemicals, alkalis, and acids
- Reduces stress and load transfer to structure
- Accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP)

**TIP:** Style name and tensile strength direction right on our geogrid makes for easy identification in the field.



Engineer approved

2000 lbf CD

2000 lbf MD

Available size:  
6' x 300'

## MIRAGRID® 2XT Bi-Axial

High or Low Retaining Walls and Stairways

**Ideal for:**

- ✓ Soil reinforcement in high and low retaining walls
- ✓ Raised patio structures
- ✓ Stairway stability
- ✓ Erosion control
- ✓ Soil stability

- Resistant to biodegradation
- High molecular weight, high tenacity adds stability
- Resistant to naturally encountered chemicals, alkalis, and acids
- Reduces stress and load transfer to structure
- Accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP)

## MIRAGRID® 3XT & 5XT Uni-Axial

Multilevel MSE Structures and Engineered Wall Systems

**Ideal for:**

- ✓ Soil reinforcement in multi level structures and engineered retaining walls
  - ✓ Raised patio structures
  - ✓ Stairway stability
  - ✓ Erosion control
  - ✓ Soil stability in precast modular block walls, wire faced walls, geosynthetics wrapped faced walls, and steepened slopes
  - ✓ Also used in MSE stabilized platforms for voids bridging, embankments on soft soils, landfill veneer stability, reducing differential settlement, and for foundation seismic stability
- Resistant to biodegradation
  - High molecular weight, high tenacity adds stability
  - Resistant to naturally encountered chemicals, alkalis, and acids
  - Reduces stress and load transfer to structure
  - Accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP)



ASTM D6637 (Method B)

3XT = 3500 lbf MD

5XT = 4700 lbf MD



**Available sizes:**  
6' x 300'  
12' x 150'

## MIRAGRID® 7XT & 8XT Uni-Axial

Multilevel Structures and Engineered Wall Systems

**Ideal for:**

- ✓ Soil reinforcement in multi level structures and engineered retaining walls
  - ✓ Raised patio structures
  - ✓ Stairway stability
  - ✓ Erosion control
  - ✓ Soil stability in precast modular block walls, wire faced walls, geosynthetics wrapped faced walls, and steepened slopes
  - ✓ Miragrid® 7XT & 8XT are also used in MSE stabilized platforms for voids bridging, embankments on soft soils, landfill veneer stability, reducing differential settlement, and for foundation seismic stability
- Resistant to biodegradation
  - High molecular weight, high tenacity adds stability
  - Resistant to naturally encountered chemicals, alkalis, and acids
  - Reduces stress and load transfer to structure
  - Accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP)



ASTM D6637 (Method B)

7XT = 5900 lbf MD

8XT = 7400 lbf MD



**Available sizes:**  
6' x 150'  
12' x 150'

**Limited Stock Available – Special Order**

## Understanding Fabrics and Grids

### What Does MSE Stand For?

Mechanically Stabilized Earth. This one is for the earth nerd in you!

### What are Geosynthetics?

The generic term for all synthetic materials used in geotechnical engineering applications; it includes geotextiles, geogrids, geonets, geomembranes, and geocomposites.

### What Is a Geotextile vs. Fabric?

In the hardscape industry Geotextile is sometimes referred to as "Fabric" as well, they are one in the same. "Fabric or Geotextile" is any permeable textile used with foundation, soil, rock, earth, or any other geotechnical engineering-related material as an integral part of a human-made project, structure, or system.

### What Is the Difference Between Woven and Non-woven Material?

Woven is a textile structure produced by interlacing two or more sets of yarns, where the yarns pass each other, usually at right angles, and one set of yarns are parallel to the fabric axis. Non-woven, for geotextiles, is a planar and essentially random textile structure produced by bonding, interlocking of fibres, or both, accomplished by mechanical, chemical, thermal, or solvent means and combinations thereof.

### What Is Permeability When Referring to a Geotextile?

A generic term for the property that allows fluid or vapour through geotextiles. Properly called hydraulic conductivity relating directly to thickness. GNH fabrics have a high water flow of 135 gallons per minute or higher.

### What Does Transmissivity Mean to a Hardscaper When Installing Synthetic Base vs. Traditional Base?

For a hardscaper, it relates to the volumetric flow rate of rainfall through the fabric per thickness under steady flow conditions in the in-plane direction of the fabric. The in-plane direction means the property

of being directionally dependent, which implies different flow properties in different directions, flow in preferred directions is especially important when installing synthetic base options vs. traditional base thickness. Consult with your local qualified engineer to assess soil properties and runoff parameters to ensure project integrity meets construction standards.

### What Is the Difference Between Cross Machine and Machine Direction? Why Is It Important?

Cross machine (CM) is the direction perpendicular to the long, machine, or manufactured direction (MD). The Machine direction, in textiles, is the direction in a machine-made fabric parallel to the direction of movement the fabric followed in the manufacturing process (synonyms: lengthwise, or long direction, and for woven geotextiles, warp direction).

### What Is a Geogrid?

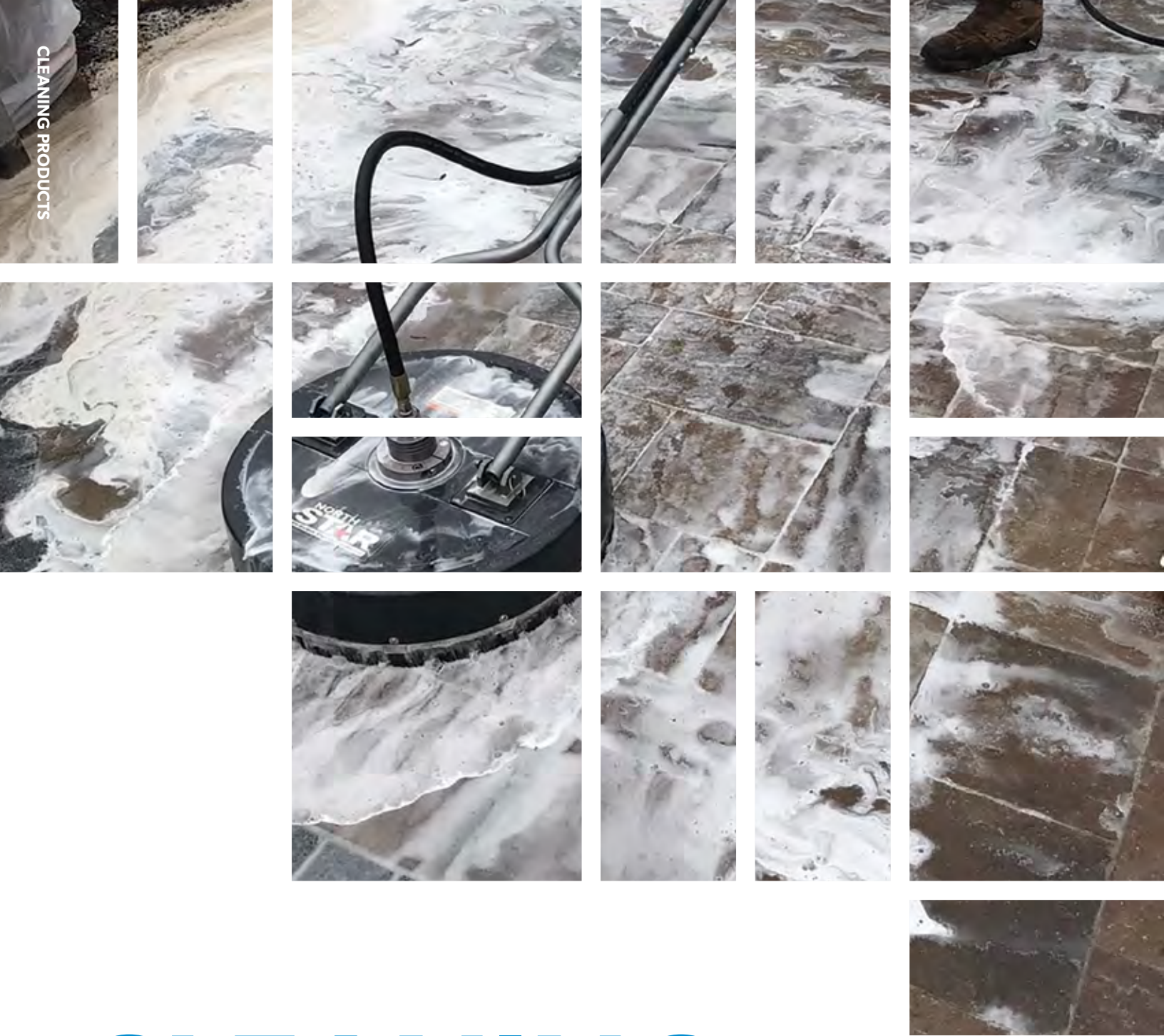
A geosynthetic formed by a regular network of integrally connected elements with spaces greater than 6.35 mm (1/4 in.) to allow interlocking with surrounding soil, rock, earth, and other surrounding materials. Geogrids function primarily as reinforcement (ASTM D4439).

### What Is the Difference Between Uniaxial and Biaxial Geogrid?

Uniaxial geogrid has predominant strength in the machine direction of reinforcement whereas Biaxial geogrid strengths are equal in the cross and machine directions.

### What Is the Most Important Thing to Consider When Choosing a Geogrid?

First, is to know the purpose of the geogrid: stabilization or reinforcement. For base and sub-base layers in driveways one should choose stabilization performance and for retaining walls where anchor effects are expected (pullout) it is geogrid tensile strength that matters. Always consult with your local qualified engineer for stamped plans.



# CLEANING PRODUCTS

Rust stains? Efflorescence? Mold? No problem! GNH's extensive line of concrete cleaners will get your concrete looking new again.

## SureClean Multi Use Cleaner

- Powerful cleaner for routine maintenance and restoration
- Removes embedded soil and tire scuffing
- Prepares unsealed surfaces for sealing
- Super concentrated formula



Available in  
1 Gallon & 5 Gallon

**TIP:** Misuse may cause damage to the sealer. A test area is always recommended to determine product suitability and compatibility with your specific surface before use and also if desired results are achievable.



Available in  
1 Gallon & 5 Gallon

## Efflo Off Efflorescence, Mineral & Salt Deposit Cleaner

GNH Surebond efflorescence remover is a proprietary blend of low odour acids, surfactants, and detergents. It can be used to remove efflorescence and clean concrete and brick without discolouring or damaging the surface.

- Effectively removes efflorescence
- Heavy duty surface cleaner
- Prepares unsealed surfaces for sealing
- Concentrated formula

## Battery Powered Sprayer

Built-In Battery Charger With Battery Tender Technology

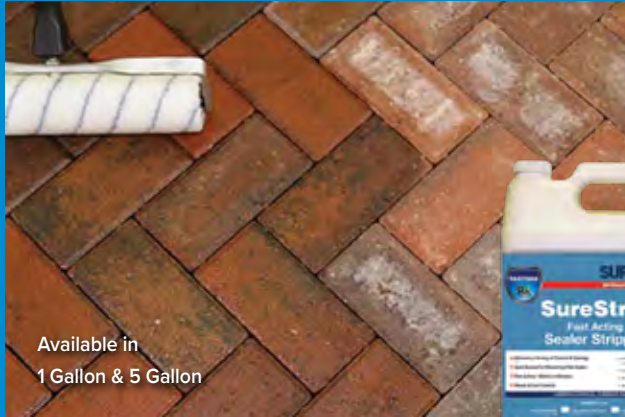
- ✓ Self-contained, cordless sprayer
- ✓ Industrial grade sprayer components rugged handcart
- ✓ Long term durability and dependability both residential and commercial projects reduce labour cost

- Rugged stainless steel construction with chemical resistant components
- EZ loading with standard 5 gallon pails
- Dual power source battery or DC
- Single charge provides 6 hours of usage and applies up to 720 gallons of sealer
- Up to 2 gallons per minute application rate
- 20 ft heavy duty hose
- Ergonomic hand grips

For use with water based sealers only.

## SUITABLE SURFACES FOR THESE PRODUCTS:

Concrete and clay pavers, concrete flat work and retaining walls, manufactured and natural stone, tile, terrazzo, and stucco. Works on both horizontal and vertical applications.



Available in  
1 Gallon & 5 Gallon

### SureStrip Sealer Stripper

- Removes a variety of sealers and coatings
- Spot cleaner for removing paint spots
- Fast acting – works in minutes
- Ready to use formula

Coverage rates will vary from 100-250 sf per gallon.



Available in  
1 Quart (12 quarts to a case)

### S.R.B. – Stain & Rust Buster

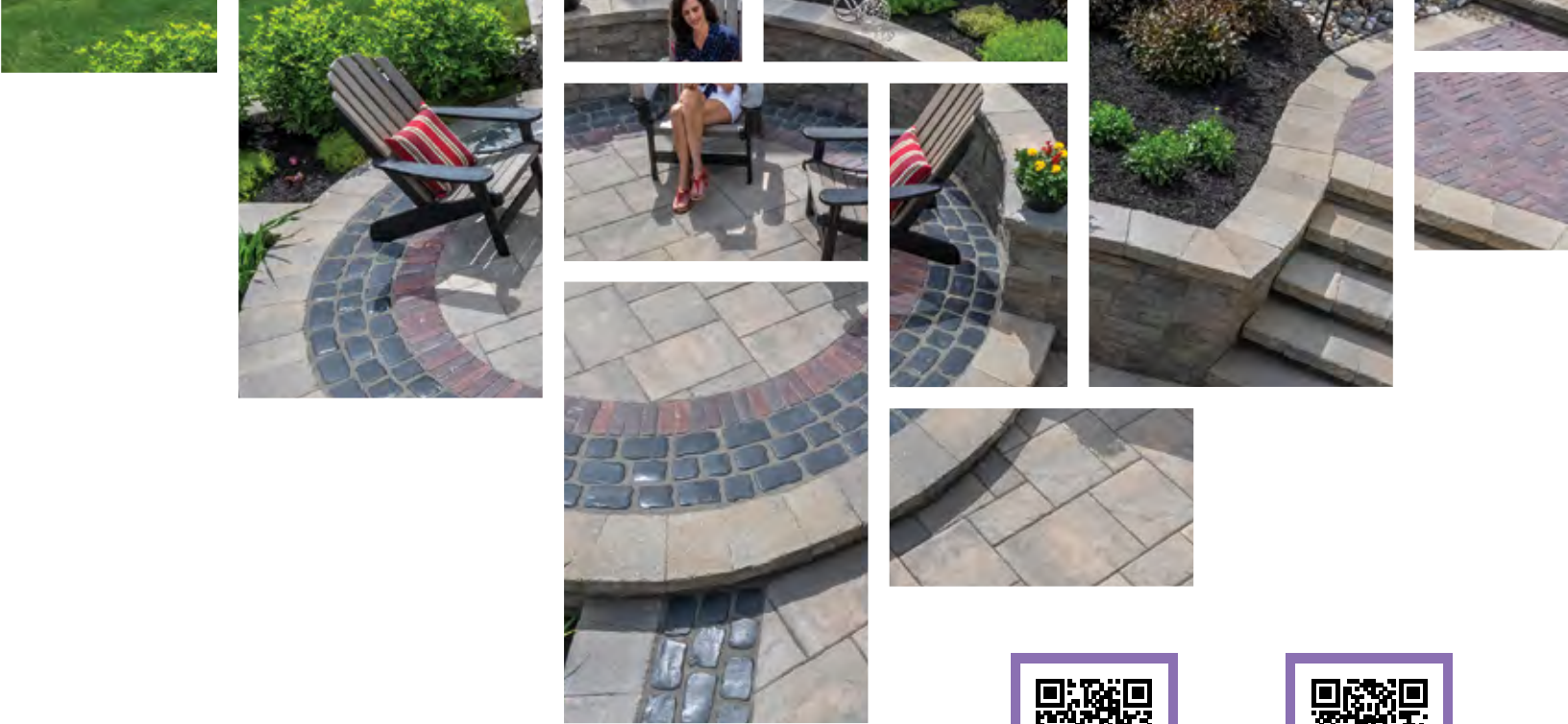
- Effective on non-greasy foods, beverage spills, leaves, and moss
- Removes rust stains
- Fast acting – works in minutes
- Concentrated formula



Available in  
1 Quart (12 quarts to a case)

### Oil Extractor – Stain Cleaner

- Effective on petroleum-based grease and oil stains
- Removes food-based grease and oil stains
- Encapsulates oil – easy to rinse
- Fast acting, ready to use formula



# SEALING PRODUCTS



Learn How to  
Spray & Back  
Roll Sealer



Float &  
Squeegee  
Application



## SB-1000 PermStik PICP Chip Stabilizer

### Rock Binder

Hybrid polymer blend designed to bind together granite chips (granite, limestone and marble 1/8"– 3/8" or Permchip are recommended) used in permeable paving systems and minimize their loss due to extractive forces from washout, traffic, and pavement sweeping. SB-1000 also provides protection against water, salts, and atmospheric weathering of the pavement surface.

- ✓ Binds clean, strong, dry and dust free permeable jointing infill material and keeps it permeable

APPLICATION SQ. FEET/GALLON (Single coat)  
Pavers with 11% void and 1" of chip: 75 - 100



Available in  
1 Gallon & 5 Gallon

## SB-1300 Joint Stabilizing Sealer Natural

Zero Gloss – No Colour Enhancement

Surebond Water Based Sealers can start protecting new hardscape surfaces immediately after installation because of their enhanced breathability that will not trap efflorescence under the sealer surface. In addition, restoring and then sealing a previously installed project can help bring a dirty, tired-looking hardscape back to life and make it look like almost new again!

**Ideal for:**

- ✓ Pavers
- ✓ Natural stone
- ✓ Dry cast concrete
- ✓ Will extend the life of your hardscape investment

**APPLICATION SQ. FEET/GALLON (Single coat)**  
**With Joint Stabilization: 80 - 120**  
**Without Joint Stabilization: 150 - 300**

## SB-4000 Water Repellent & Salt Blocker

Invisible Penetrating Sealer

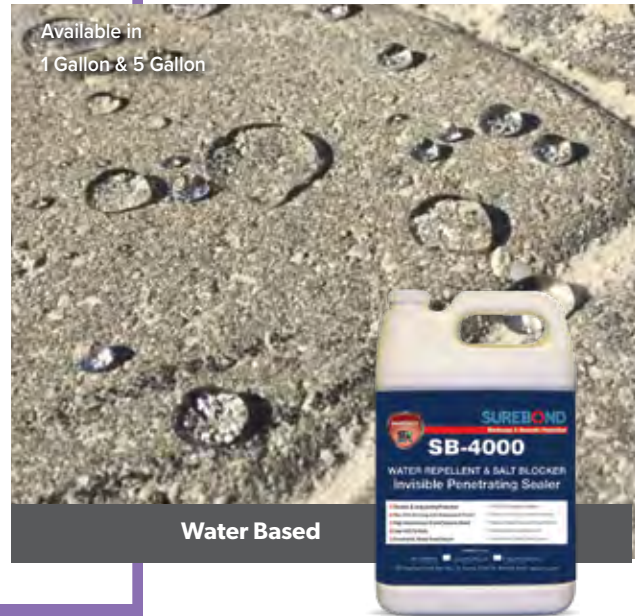


- Durable & long lasting protection
- Non-film forming with transparent finish
- High performance silane/siloxane blend
- Resists biological growth (mold, moss & algae) due to superior water repellency
- Low VOC formula
- Breathable, water based sealer

**Ideal for:**

- ✓ Horizontal and vertical surfaces
- ✓ Concrete and clay pavers
- ✓ Grout
- ✓ Unglazed tile and terra cotta
- ✓ Cultured and natural stone containing quartz or other silicas

**APPLICATION SQ. FEET/GALLON (Single coat)**  
**Pavers & Other Hardscape Surfaces: 75 - 200**  
**Concrete: 100 - 200**  
**Retaining Walls & Other Vertical Surfaces: 50 - 200**



Available in  
1 Gallon & 5 Gallon

Water Based

\*Not recommended for granite, marble, limestone, slate, agglomerate tiles and surfaces with a high gloss finish as they do not absorb the sealer.



## SB-5000 Stain Blocking

**Stain Blocking:** Keeps Stains from Becoming Permanent

**Semi-Penetrating Protection:** Superior Longevity & Durability

**Non-Film Forming with Transparent Finish:** Does Not Alter the Appearance of the Surface

**Breathable, Immediate Application:** Does Not Trap Moisture or Efflorescence

**Ideal for:**

- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete
- ✓ Masonry
- ✓ Natural and manufactured stone
- ✓ Segmental retaining wall blocks
- ✓ Concrete walls
- ✓ Exposed aggregate & grout
- ✓ Unglazed tile and terra cotta
- ✓ Safe to use on old or new surfaces in both inside and outside environments

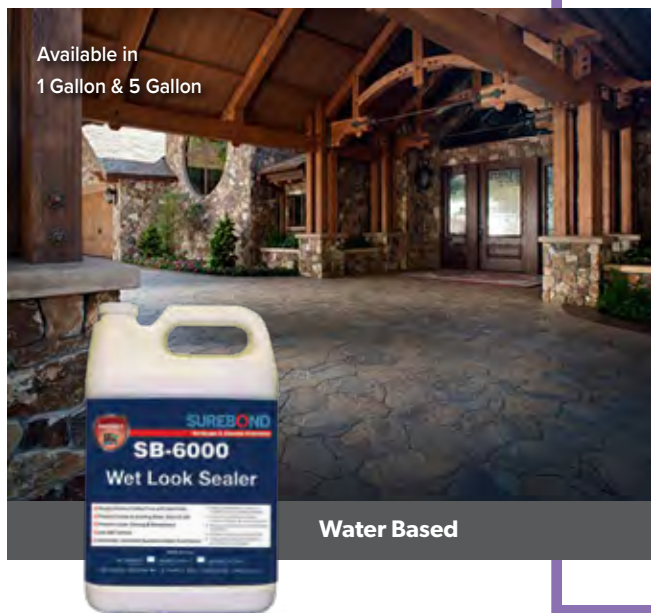


Available in  
1 Gallon & 5 Gallon

**Stain Blocking Sealer**

**APPLICATION SQ. FEET/GALLON (Single coat)**  
Pavers & Other Hardscape Surfaces: 100 - 200  
Concrete: 150 - 250  
Retaining Walls & Other Vertical Surfaces: 100 - 200

Available in  
1 Gallon & 5 Gallon



**Water Based**

## SB-6000 Wet-Look Sealer

**Satin Gloss – Deeply Enhances Surface Tone**

**Ideal for:**

- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete
- ✓ Natural and manufactured stone
- ✓ Suitable for masonry, retaining walls, porous or unglazed tile, and terrazzo

Not recommended for marble, granite, or ceramic tile.

**APPLICATION SQ. FEET/GALLON (Single coat)**  
Pavers & Other Hardscape Surfaces: 100 - 200  
Concrete: 150 - 250  
Retaining Walls & Other Vertical Surfaces: 100 - 200

## SB-6400 Wet-Look

### Penetrating Sealer

**Surface Enhancement:** Deeply Enhances Surface Tone with Matte Finish

**Chemically Bonded Protection:** Surface Penetrating, Long Lasting & Durable

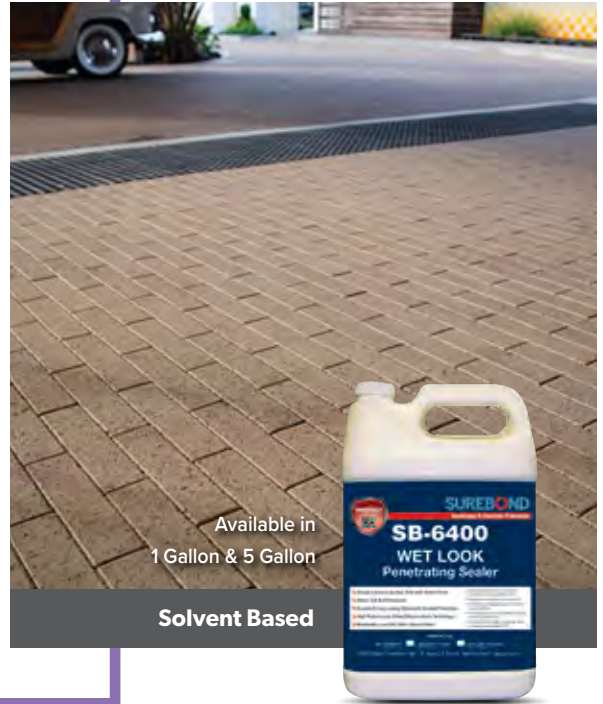
**Silane/Siloxane Water-Based Resin Blend:** Repels Water, Protects Surface from Salt Attack, Non-Hazardous and VOC/EPA Compliant

**Breathable, Immediate Application:** Does Not Trap Moisture or Efflorescence

#### Ideal for:

- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete
- ✓ Masonry
- ✓ Natural and manufactured stone containing quartz/silicas
- ✓ Segmental retaining wall blocks
- ✓ Concrete walls
- ✓ Exposed aggregate & grout
- ✓ Unglazed tile and terra cotta
- ✓ Safe to use on old or new surfaces in both inside and outside environments

**APPLICATION SQ. FEET/GALLON (Based on Wet on Wet Double coat)**  
 Natural Stone & Clay Pavers: 200 - 400  
 High Density Concrete & Pavers: 200 - 400  
 Low Density Concrete & Pavers: 50 - 200



## SB-6700 Ultra Deep Gloss Enhancement

### Two-Part Urethane Wet Look Joint Stabilizing Sealer

**RECOMMENDED FOR PROFESSIONAL USE ONLY**

**Multi-Purpose Product:** Seals & Enhances Surface, Hardens Joint Sand

**Surface Enhancement:** Ultra-Deep Enhancement of Surface & Gloss Finish

**Antifungal Film Protection:** Protects Sealer Film from Mold, Moss & Algae

**Optimal Joint Sand Stabilization:** Reduces Sand Washout, Weeds & Insect Infestation

**Ultimate Durability & Protection:** Promotes Easier Cleaning & Maintenance

**Breathable, Immediate Application:** Does Not Trap Moisture or Efflorescence

#### Ideal for:

- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete
- ✓ Masonry
- ✓ Natural and manufactured stone
- ✓ Segmental retaining wall blocks
- ✓ Concrete walls and exposed aggregate.
- ✓ Ideal for shaded areas
- ✓ Pool decks and outdoor showers where mildew, fungus and algae are a concern.

**APPLICATION SQ. FEET/GALLON ( Based on Single coat)**  
 Seal with Joint Stabilization: 80 - 120  
 Seal Only: 200 - 300

## SB-7700 Joint Stabilizing

Enhanced Gloss with Antifungal Protection

**Multi-Purpose Product:** Seals & Moderately Enhances Surface and Hardens Joint Sand

**Antifungal Film Protection:** Protects Sealer Film from Mold, Moss & Algae

**Stain Resistant:** Promotes Easier Cleaning & Maintenance

**Stabilizes Joint Sand:** Reduces Sand Washout, Weeds & Insect Infestation

**Surface Enhancement:** Moderately Enhances Surface Tone & Semi-Gloss Finish

**Breathable, Immediate Application:** Does Not Trap Moisture or Efflorescence

### Ideal for:

- ✓ Suitable surfaces
- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete
- ✓ Masonry
- ✓ Natural and manufactured stone
- ✓ Segmental retaining wall blocks
- ✓ Concrete walls and exposed aggregate. Ideal for shaded areas
- ✓ Pool decks and outdoor showers where mildew, fungus and algae are a concern

APPLICATION SQ. FEET/GALLON (Based on Single coat)

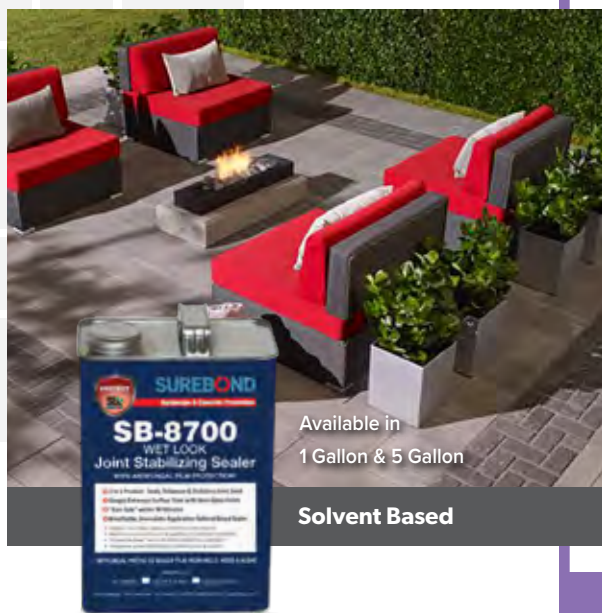
Seal with Joint Stabilization: 80 - 120

Seal Only: 150 - 300

Highly recommended for high-traffic areas where maximum durability and superior chemical resistance is desired. Safe to use on old or new surfaces in both inside and outside environments.



Water Based



Available in  
1 Gallon & 5 Gallon

Solvent Based

## SB-8700 Wet-Look Anti-Fungal

Satin Gloss – Deep Surface Enhancement

Breathable, immediate application solvent based sealer with antifungal protects from mold, moss, and algae.

### Ideal for:

- ✓ Concrete and clay pavers
- ✓ Flat and stamped concrete or masonry surfaces such as stucco, retaining walls, concrete walls, and exposed aggregate
- ✓ Also works on limestone, sandstone, and natural paving stones
- ✓ Rain safe in 90 minutes



APPLICATION SQ. FEET/GALLON (Single coat)

With Joint Stabilization: 80 - 120

Without Joint Stabilization: 150 - 250

## SB-9000 Wet-Look Sealer

Gloss Finish – Deeply Enhances Surface Tone

Breathable, immediate application solvent based sealer.

**Ideal for:**

- ✓ Concrete and clay pavers aggregate
- ✓ Flat and stamped concrete or masonry surfaces such as stucco, retaining walls, concrete walls, and exposed aggregate
- ✓ Also works on limestone, sandstone, and natural paving stones

**APPLICATION SQ. FEET/GALLON (Single coat)**  
 Pavers & Other Hardscape Surfaces: 100 - 200  
 Concrete: 150 - 200  
 Retaining Walls & Other Vertical Surfaces: 100 - 200



Available in  
1 Gallon & 5 Gallon

**Solvent Based**

# SUREBOND Hardscape Restoration & Protection Center

The Surebond Hardscape Restoration & Protection Center offers a flexible design to merchandise the Surebond products you stock: Sealers, Cleaners and Adhesives. Add on the 5 pocket literature holder for easy access to brochures and technical data sheets. An optional Snap Edge side rack is available (not pictured) and can be used only in the 3 shelf configuration.



Optional 5 Pocket Literature Holder



3 Shelf Configuration



## SEALING TIPS

# Understanding Sealing Products

Penetrating concrete sealers are defined as sealers that penetrate through the surface of the concrete where they chemically react and reside in the pores. They won't change the look or colour of the concrete surface, and they won't leave behind a slippery surface film. This section will explain what a penetrating concrete sealer is, how a penetrating sealer works, and which penetrating sealer is best to use for your concrete application.



## To Seal or Not to Seal?

Yes, you should. It isn't required but there are many benefits to sealing pavers.

Here are some of the many benefits:

- Sealers help to extend the life of the pavers by reducing damage and deterioration caused by water absorption.
- Sealers can help reduce staining caused by water absorption.
- Sealers help to reduce damage caused by freeze-thaw cycles, snow, and ice and road salt.
- Sealers help to reduce the formation of mold, mildew, and efflorescence on the surface.
- Sealers help to protect the pavers against deterioration caused by surface abrasion.
- Sealers can help to enhance dull or faded pavers and help prevent pavers from fading (acrylic sealers only).

## Breathable Sealers

Breathable concrete & brick sealers allow the concrete and brick to breathe. While the movement of water and moisture through the pores is reduced, it won't be stopped, allowing build up of vapour pressure and efflorescence to be released through the surface. New pavers should only be sealed with a breathable sealer but in some cases non-breathable sealers may need to be used on concrete.

### When Should a Breathable Sealer Be Used?

A breathable sealer should always be used when sealing exterior concrete and brick. Moisture vapour levels rise and drop depending on the outside weather and temperature. Failing to use a breathable sealer on an exterior application can result in coating failure.

## Can a Non-Breathable Sealer Be Used on Brick?

Brick should only be sealed with a breathable sealer because brick needs to breathe. Trapping moisture vapour below the surface can not only cause coating failure, but deterioration of the brick from within the pores.

## What Are Some Examples of Breathable Sealers?

All penetrating sealers are breathable but paint and coatings are not. The level of breathability will vary with some sealers as well, depending on the percent solids. The three most common types of breathable sealers are silicate sealers, silane siloxane sealers, and acrylic sealers.

### Water Based Sealers – (SB-1300)

This product can be used inside and outside, on old and new pavements, sealing the surface, and stabilizing joint sand at the same time. It can be applied immediately after paver installation, as it is breathable and will not trap naturally occurring efflorescence.

### Silane Siloxane Sealers – (SB-4000)

Silane siloxane sealers, also known as water repellent sealers, are designed to reduce surface water absorption and reduce deterioration and staining caused by it. They chemically react below the surface to form a hydrophobic barrier that will cause water and other liquids to bead off the surface. Surfaces sealed with a silane siloxane sealer are more resistant to damage caused by water absorption.

### Acrylic Sealers – (SB-9000)

Acrylic sealers are called sealers but they classify more as a coating because they leave behind a visible surface film. You can't tell if a surface has been sealed with a silicate sealer or a silane siloxane sealer but you can tell if a surface has been sealed with an acrylic sealer because it will have a visible gloss film. Acrylic sealers are the least breathable type of sealer but they are very popular especially if you need to bring out dull or faded surfaces or want to achieve a level of gloss. If you plan on applying an acrylic sealer to clay you should contact the brick manufacturer.



## How You Choose the Best Breathable Sealer

Think about your reason for sealing because that is what will determine which sealer is best for your application. Here are a few examples:

- **Old and deteriorating pavers**

If the pavers are showing signs of deterioration caused by road salt, surface abrasion, such as dusting, and the concrete is fairly dry, you may want to consider a lift and relay followed by jointing with PolySweep and activating the polymers with a Surebond Joint Stabilizing sealer such as SB-1300.

- **Cracking, spalling, and pitting caused by water absorption**

If you are having issues with cracking, spalling, pitting, mold and mildew, or efflorescence then you may want to consider a water repellent sealer such as SB-4000 to reduce the absorption of water through the surface.

- **Fading concrete or paver surfaces**

If you want to enhance dull or faded concrete or pavers, or you want to change the look of the surface, then you may want to consider an acrylic sealer such as SB-9000.

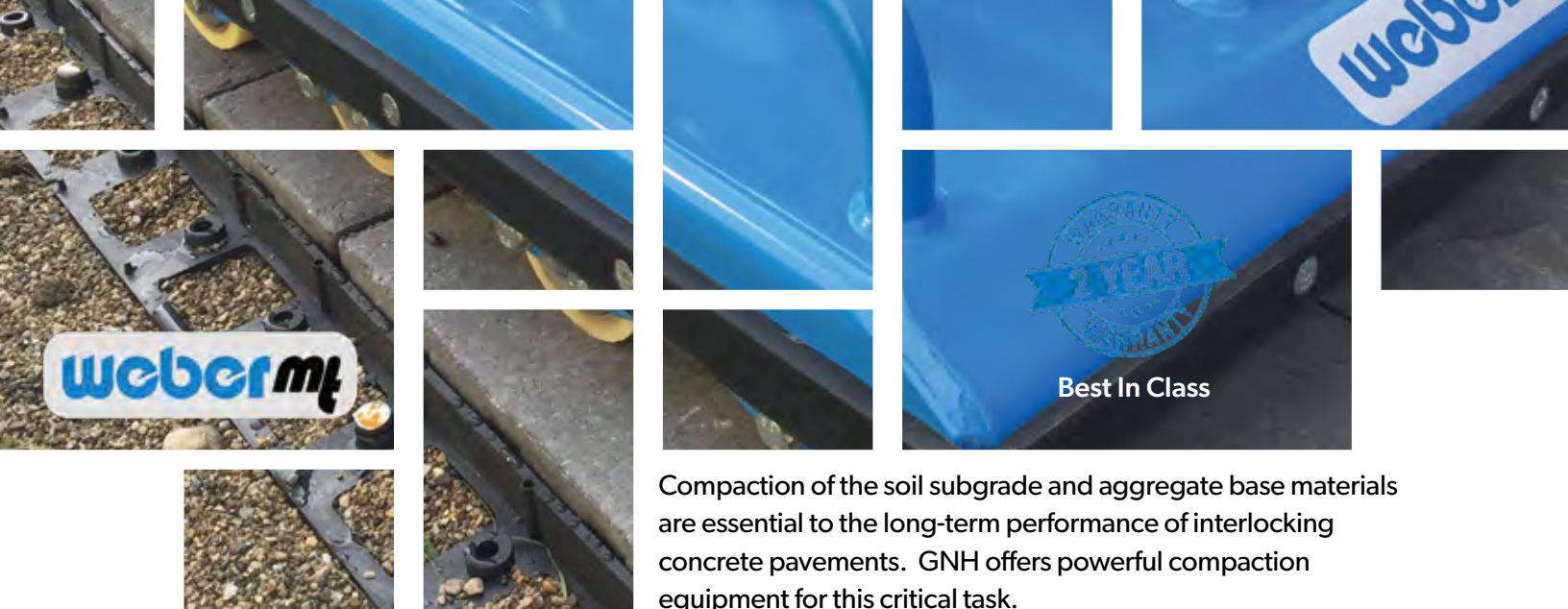


## Common Concrete Sealer Problems

Sometimes concrete sealers fail. The most common reason for failure is improper application. Concrete sealer problems and their causes:

- **Bubbles** – caused by applying sealer too thickly or over-rolling
- **Discolouration** – white or cloudy efflorescence-like markings caused by trapped moisture
- **Peeling** – caused by moisture-vapour, contamination or over-application of the sealer
- **Streaks/Lines** – caused by the sealer drying too quickly during application

In some cases, these problems can be fixed by applying a fresh coat of sealer to the concrete, other times the existing sealer may need to be stripped first to start fresh.



Compaction of the soil subgrade and aggregate base materials are essential to the long-term performance of interlocking concrete pavements. GNH offers powerful compaction equipment for this critical task.

# COMPACTION

by Weber<sup>MT</sup>



## WeberMT VPR 450

A roller specifically designed to compact or embed large-sized or surface-coated slabs for hardscape and landscape jobs.

- Centrifugal force: 1,798 lbs
- Machine weight: 238 lbs
- Roller width: 16.5" / Machine width: 18"
- Engine: Honda GX 160 four-stroke



## WeberMT VPR 700

A roller specifically designed to compact or embed large-sized or surface-coated slabs for LARGE hardscape and landscape jobs.

- Centrifugal force: 3,147 lbs
- Machine weight: 386 lbs
- Roller width: 26.4" / Machine width: 28.3"
- Engine: Honda GX 160 four-stroke



## CFR 90 Compactor

Due to the almost round base plate, the machine is particularly maneuverable and is used where space is limited - for example in cable trenches, hardscape/landscape, compacting along the edges of concrete block and around manholes and poles.

- Operating weight: 198 Lbs.
- Working width: 17"
- Centrifugal force: 3,147 Lbs.
- Frequency: 85 Hz
- Engine: Honda GX 160/4-stroke gasoline
- Power output, max.: 3.6 kW (4.9 HP)

Wheel Kit Included



## SRV 590 Vibratory Rammer

Rugged and lightweight rammer with powerful tamping system. **Best in the industry!** With a lower centre of gravity, this machine demonstrates superior handling and better climbing ability.

- Multi-stage air filtration system
- Variable 3-speed control lever
- **New Feature:** The Fuel shut off is built into the throttle
- Available with a rammer foot width of 7.8"
- **Operating weight:** 137 lbs.
- **Shoe width:** 11 in. (7.8\*)
- **Impact force:** 4,114 lbs.
- **Percussion rate:** 700 1/min.
- **Engine:** GXR 120 4-stroke, gasoline.
- **Engine output, max. :** 3.7 HP (2.7 kW)



## SRV 620 Vibratory Rammer

Durability and longevity guaranteed with impressive impact power. Due to its significantly increased stroke and impact power this rammer compacts even faster and more efficiently.

- Improved impact power
- Operational comfort
- Narrow guide bar, and optimized tamping foot make this the best machine in the industry
- Narrow rammer foot available
- **Operating weight:** 146 lbs.
- **Shoe width:** 11 in.
- **Impact force:** 4,092 lbs.
- **Percussion rate:** 700 1/min.
- **Engine:** Honda GXR 120 (4-stroke, gasoline)
- **Power output:** 3.7 HP (2.7 kW)



## SRV 660i Vibratory Rammer

Due to its significantly increased stroke and impact power these rammers compact even faster and more efficiently.

- Multi-stage air filtration system
- Variable 3-speed control lever
- **New Feature:** The Fuel shut off is built into the throttle
- Available with a rammer foot width of 7.8"
- **Operating weight:** 154 lbs.
- **Shoe width:** 11 in. (7.8\*)
- **Impact force:** 4,699 lbs.
- **Percussion rate:** 700 1/min.
- **Engine:** GXR 120 4-stroke, gasoline.
- **Engine output, max. :** 3.7 HP (2.7 kW)



## Weber CF1

The CF 1 vibratory plate is used for compacting in tight areas, for minor repair work and for paving work in the hardscape/landscape industry.

- **Centrifugal force:** 2,248 lbs
- **Machine weight:** 132 lbs
- **Base plate width:** 14"
- **Engine:** Honda GX 120 four-stroke
- **Optional Accessories:** Wheel kit, polyurethane pad.



## Weber CF2

Premium operating comfort, compact dimensions, and optimum running characteristics. For compaction work in landscaping and repair work.

- **Centrifugal force:** 3,372 lbs
- **Machine weight:** 183 lbs
- **Base plate width:** 18"
- **Engine:** Honda GX 160 four-stroke
- **One-piece cast eccentric housing and base plate**



## Weber CF3

With premium operating comfort this machine has all you need for quick and efficient compaction and can be turned off on the guide-bar.

- **Centrifugal force:** 4,496 lbs
- **Machine weight:** 207 lbs
- **Base plate width:** 20"
- **Engine:** Honda GX 160 four-stroke
- **Wheel kit and water tank optional**
- **One-piece cast housing and base plate**





## CR1

The ideal entry into the WEBER<sup>MT</sup> product line for rental machinery fleet owners and professional users.

- Centrifugal force: 3372Lbs
- Engine: Honda GX120
- Machine Weight: 203Lbs
- Working width: 14"



## Weber<sup>MT</sup> Wheel Kits

Wheel kits for Weber<sup>MT</sup> compactors. Please select the correct Wheel Kit from your price guide.



## Weber CR 2 HO-16

Achieve optimum compaction of sand, gravel, asphalt, and paved surfaces with the CR 2.

- Centrifugal force: 5,650 lbs
- Speed: 63 ft/min
- Machine weight: 310 lbs
- Engine: Honda GX 160 4-stroke
- Base plate: 26" x 18"
- Water tank for asphalt paving



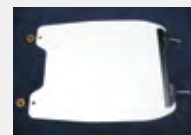
## Weber CR 3

The CR 3 with state-of-the-art technology, outstanding performance, and long-lasting quality meets all your needs for proper soil compaction.

- Centrifugal force: 5,620Lbs
- Base plate: Working width: 18" / 22"
- Machine weight: 315/330Lbs
- Engine: Honda GX160

## Weber<sup>MT</sup> Poly Pads

Paver Protector.



## Universal Quick-E Paver Pad

No more scratched pavers

- Our long lasting recipe of polyurethane
- Protect pavers from being scuffed by the steel plate compactor
- Mounting hardware included
- Fits most compactors!
- Pre-drilled holes are 14" apart on clamping bar.



## Weber CR 5

This heavyweight machine of the mid-sized reversible plates offers easy maintenance features and impressive compaction force.

- Centrifugal force: 10,150 lbs
- Engine: Honda GX 270 (gas)
- Machine weight: 600 lbs
- One-piece cast iron eccentric housing and base plate
- Base plate: Working width: 22"



## Weber CR 6 Honda/E

For trench work or block pavements or for general compaction tasks in road construction, civil engineering, or the landscaping sector.

- Centrifugal force: 12,364 lbs
- Engine: Honda GX 390 (gas)
- Machine weight: 794 lbs
- Provided with electric start!
- Base plate: 39" x 24"
- MDM & COMPATROL<sup>®</sup> 2.0 optional

## Weber CR 7 Reversible Honda



- Electric Start (diesel model only)
- Anti-vibration Handle to ensure maximum operator comfort.
- Hinged lifting eye for machine transport
- Superior impact power
- Variable speed.

Weight: 948Lbs.

Working Width: 26"

Centrifugal force: 14,613Lbs;

Engine: GX390

MDM & COMPATROL<sup>®</sup>  
2.0 optional

## Weber CR 7 Reversible Hatz



- Electric Start (diesel model only)
- Anti-vibration Handle to ensure maximum operator comfort.
- Hinged lifting eye for machine transport
- Superior impact power
- Variable speed.

Weight: 1052Lbs.

Working Width: 26"

Centrifugal force: 14,613Lbs;

Engine: 1B40 (Diesel)

MDM & COMPATROL<sup>®</sup>  
2.0 optional



# TOOLS, CLAMPS & SUCTION

Put our tools to use. We've built up a toolbox of high quality tools to help you with your craft and take the **hard** out of hardscaping. Please visit [PaveTool.ca](http://PaveTool.ca) to see the tools in action and hear Phil's tips too."



Scan for Videos  
and Purchase  
Options

# GRADING TOOLS



## Easy Set up

Sections will span up to 17' but operation becomes slightly more difficult the longer you go. We find the optimal working width to be 13'5"

## Mini Screenshot

Dual Handle for Tight Spaces and Great for Leverage

- Screenshot up to 13.5'
- Continuous height adjustment on both sides
- Large capacity due to bucket shape
- Bucket shape and pull points chosen so device does not rise when screenshoting.
- Easy & quick replacement & mounting of different screenshot blades
- Hardened and sharpened spring steel blade
- Space-saving transport & storage through a modular system

## Optimas<sup>®</sup>



2 rail positions when screenshoting :  
Tall way = 80-100mm paver install  
Short way = 50-70mm paver install

## SMART LEVEL

One TOUGH Level



NEW

- 3D Terrain Mapping
- Image Mapping
- 3D Pool Design and Installs
- Percent of Slope
- Engineering Scale - Ft. Above Sea Level
- Range - Lights Display Low, High, Level
- Compress Data in Zip Files
- Compass
- Audible Function - App will Speak Readings
- FAQ Button
- Home Inspection
- Foundation Repair



THE TRUE SMART LEVEL WITH BLUETOOTH



## Quick-E-Laser Rod

Build Off a Grade Plan With Ease

- Telescopic internal foot to allow contractors to set any given point on a job site to 0"
- Able to go up to 72"
- Quick and easy to adjust
- Simplifies your math on the job site



## Quick-E-Wall Screed

Install 15' of perfectly level base quickly and efficiently. Every. Single. Time. Constructed for long term use with 4 zinc plated pipes joined together with 5' of chain between each pipe.



## Quick-E-Screeder Package

No More Screeding on Your Knees!

- Efficient way to screed 1" setting bed standing up
- Three interchangeable screed blades: 3', 4 1/2' and 6'
- Bent in such a way to initiate down pressure and strength
- Has a rolled back edge to easily fill screed rail voids



## Quick-E-Sand Plow

A big reason a project can fail is an improperly installed edge restraint.

- Helps prevent edge restraint failure
- Adjust quickly for multiple depth pavers
- Alleviates knee, back, and hand strain
- Calibrated for depths from 2 3/4" - 6"
- Pulls the sand away from the paver edge to create a perfect setting bed for edging

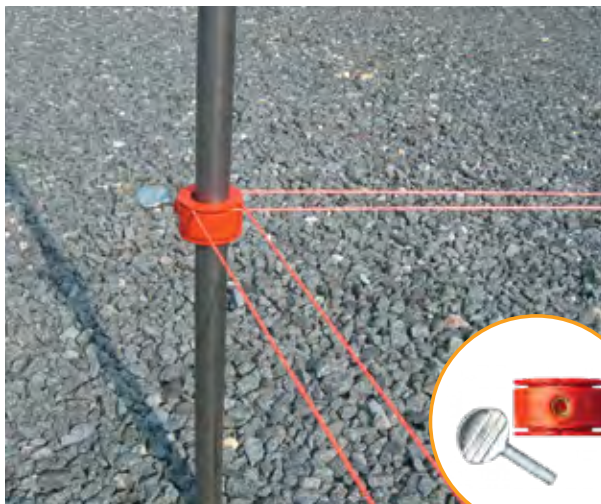


## Quick-E-Gauge

When it comes to installing pavers, accuracy is vital.

- Set the height of your base and sand up against a fixed edge
- Reduces the need for skilled grading labour by using a tool and system
- Easily adjustable
- Top tab is made for a magnetic torpedo level

**NOTE:** Different sized pavers will compact to various depths. Wider joints can also affect compaction. We suggest doing a small test section.



## GNH String Along Collar

- Fits any round stake up to 1"
- Thumb screw sets the height
- Gripping teeth hold string lines securely
- String can be removed and put back up without ever losing height
- No more knots or marks on the stake
- Safety orange colouring makes stakes much more visible



- ✓ Make Quick Adjustments
- ✓ Run Several Lines
- ✓ High Visibility



## Quick-E-Level 6' & 8'

Levels can be manually re-calibrated!

- Light-weight, durable aluminum alloy
- Welded end caps
- Will hold a true edge indefinitely
- Actual end size: 1" x 3"
- Includes accurate level insert
- Great for screeding too!

With handholes or without



## Quick-E-Grade Rake

- 36" wide
- Made of light-weight, durable extruded aluminum alloy
- One side serrated
- One side smooth

"Excellent rake, high quality, very versatile with aggregates and soil." – John L.



## Quick-E Screed Board Kit

Use in conjunction with the New Optimas maxi gauge for accurate grading. Eliminates the need for multiple home made gauges!



### Screed Boards

- Screeding on your hands and knees
- Pairs with the Maxi Gauge! (pg 27)
- Comes as a set of 4 (24", 48", 72", 95")
- 24", 48", 72", 95" Screeds Use by hand

# MARKING TOOLS

## Red Lead Marking Pencils

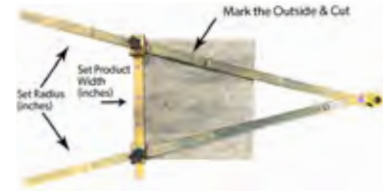
Our red lead marking pencils will write on wet surfaces and are perfect for marking pavers and wall materials. Lead will not stay on the block if using a wet saw. The water hits the marking and washes it away.



72 pencils / case

## QUICK-E-Radius Template

- Accurate Marking Every Time
- Easily Mark Radius Pieces
- Mark Radius up to 36"
- Built in measurements for accurate marking
- Use on Fire Pit caps, coping, off set radius marking
- Fits block up to 14" wide
- Folds down for easy storage



\*Download our Full Radius Guide at: [greatnorthhardscape.com/radiusguide](http://greatnorthhardscape.com/radiusguide)



## Quick-E-Tracer

No More Screeding on Your Knees!

- Transcribe (copy) one side of a serpentine (curved) walk to the other side effortlessly
- Mark radiuses by dropping the open circle over an offset pin or centre pin
- Will accommodate most markers/pencils
- Extends up to 8' 6"



## Quick-E-Scribes

The Quick-E-Scribes (paver scribe) allows you to transfer a cut line from a fixed edge to a paver or retaining wall surface, swiftly and without error.

- 3 defined angles for common settings (90, 45, 22 1/2 degrees)
- Transcribes a marking line from any fixed object to a concrete product that needs to be cut in



## Quick-E-Paver Square

A True 3' x 4' x 5' Square

- Aircraft Aluminum construction
- Collapsing triangle for easy storage
- Easy to use, for quick & accurate work
- Accurate to within 1/32"





## Angle Scribe

- Scribing Angles Easily
- Stable design
- Fast and accurate working
- Easy operation



## Maxi Gauge

- Reduces the need for skilled grading labor by using a tool and system
- Adjusts up and down, & in and out.
- Will attach to a screed board (3.94" h x .71" w)
- Adjusts up and down 3/16" - 5 5/16" (5mm-135mm)

Set the height of your base and setting bed up against a fixed edge



## Maxi Square

An angle guide that folds for easy transportation. Great for control of 90° and 45° angles. Long leg length warrants accurate work.

**Dimensions:** 6'x 6' x 8.5'

**Weight:** 14.77 lbs

# LIFTING TOOLS



## Quick-E-Lifter (Set of 2)

By using one in each hand, these phenomenal tools allow one person to lift and transfer approximately 6 to 12 pavers quickly, efficiently, and safely from the staging area pallets to the installation area.



## Quick-E-BL 100 Clamp

It's perfect for gently and precisely setting the base course for a retaining wall. Adjusts from 7.5"–12" and holds up to 100 lbs.



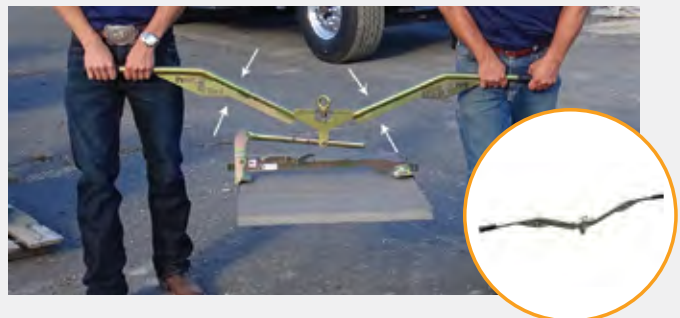
## Quick-E-BL 180 Clamp

The clamp can be carried by hand or used with an excavator. Adjusts from 7"– 18" and holds up to 180 lbs.



## Quick-E-Slab

The only slab clamp you need for slabs from 10"– 24" and up to 200 lbs.



## Quick-E-Ergo Assist

**Use with:** Quick-E-Slab, Quick-E-Large Slab, Quick-E-BL 180, Quick-E-BL 450 (Adaptor required for Large Slab and BL 450). Holds up to 240 lbs.







## Quick-E-Large Slab

- Built-in height adjuster to accommodate different slab heights
- Can be used with the Quick-E-Ergo Assist or with an excavator (sold separately)
- Pick up multiple size slabs
- Adjusts easily from 17"–43"
- Self-locking latch
- Holds up to 480 lbs
- Helps alleviate back and hand strain



## Quick-E-BL 450 Clamp

Clamp adjusts quickly and easily from 33"–51" and holds up to 450 lbs. Quick-E-I Spacer, optional attachment clamp, itself weighs 45 lbs.

A 3-man crew with no Geo-Grid can install about 300 – 500 sf of wall block a day.



## Quick-E-BL 850 Clamp

Can pick slabs vertically right off the pallet. Use with an excavator or fork lift.

- Self-latching
- Pick slabs and step treads
- Adjusts from 0"–16 1/2"
- Holds up to 850 lbs. Clamp itself weighs 53 lbs.



## Quick-E-BL 980 Clamp

- Adjusts from 0"–38"
- Holds up to 980 lbs. Clamp itself weighs 72 lbs.

See Boulder Grab attachment on Page 45



## Quick-E-BL 3000 Clamp

The ultimate tool for picking step treads, slabs, and wall material.

Can pick product from front-to-back or up to 4' end-to-end. Clamp adjusts from 9"–48" and holds up to 3,000 lbs. Clamp itself weighs 200 lbs.





## EZ Clamps

New and Improved With Bigger, Stronger, and Wider HD Pads

### EZ-900:

- 8" to maximum width 28"
- 900 lbs lift capacity
- 36 lbs weight of clamp

### EZ-2400:

- 10" to maximum width 38"
- 2,400 lbs lift capacity
- 48 lbs weight of clamp

See price guide for full list of Gen 1 and Gen 2 replacement pads.



**NEW**

## EZ Clamp 3000

New and Improved With Bigger, Stronger, and Wider HD Pads

### EZ-3000:

- 16" to maximum width 48"
- 3,000lbs lift capacity
- 76lbs weight of clamp



## Red Hook 360

For use with any GNH lifting device.

- Sold Separately
- Max lifting Capacity 4000Lbs



## Tandem Slab Clamp

### Technical Data:

- Gripping range – 20" – 43"
- Weight – 24 lbs
- Lifting capacity – 330 lbs



## Paver Caddy

To transport stone while picking directly off of the pallet with a mechanical hand lever operation. Picks the entire row!

Dimensions: 68.89" x 49.21" x 25.59"  
Lifting Load: 990 lbs

Weight: 143 lbs  
Adjusts: 21" – 36"

# ATTACHMENTS & PARTS



Convert this...  
...to this

## Quick-E-Boulder Grab Attachment

A Simple Solution to Pick Boulders!

Ideal for building boulder walls and water features! We recommend using an excavator for ease of install and setting boulders accurately.

- Attaches to our BL 980 clamp to pick boulders up to 980 lbs
- Adjusts from 0"-38"
- Use with the Quick-E-BL 980

## A2 Arm Only



## Quick-E-Wedge



Compatible with  
Quick-E-BL 450 and BL 980 clamps

## T-Handle Extension Bar



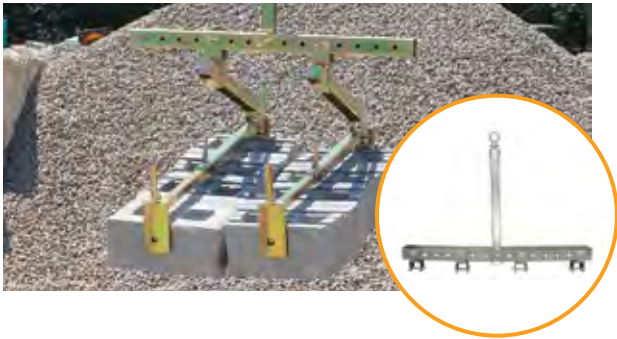
Extends the handles  
on your T-handle unit

Holds up to 175 LBS

## Quick-E-I Spacer



Compatible with Quick-E-BL 980 clamp



## Quick-E-Multi-Block Lift

Pick Entire Layers of SRW Block!

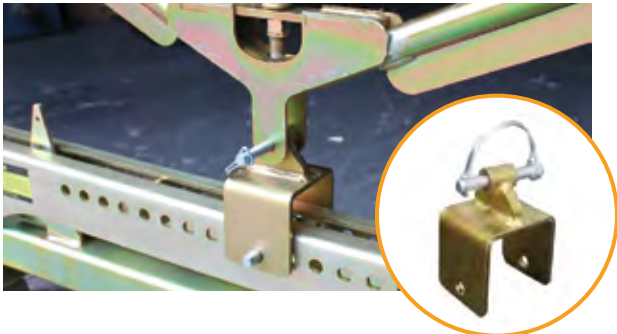
- Holds up to four clamps (sold separately)
- Optimize installation of large retaining walls



## Quick-E-Ergo Assist

**Use with:** Quick-E-Slab, Quick-E-Large Slab, Quick-E-BL 180, Quick-E-BL 450 (Adaptor required for Large Slab and BL 450). Holds up to 240 lbs.

Can also be used with our Suction Packages



## Ergo Assist Adaptor

**Use with:** Adaptor required when connecting the Ergo Assist to the Quick-E-Large Slab or the Quick-E-BL 450.



## Quick-E-Ergo XL

**Use with:** Quick-E-Slab, Quick-E-Large Slab, Quick-E-BL 180, Quick-E-BL 450, Quick-E-BL 850, ES Toggle Switch, ES Pad 12x12, ES Pad 16x18, ES Pad 12x36, ES Pad 18x36.

**Adaptor required for:** Quick-E-Large Slab, Quick-E-BL 450, Quick-E-BL 850.

Holds up to 350 lbs.

For use with our Suction Packages and mechanical clamps



## ES Ergo XL Power Pack Insert

The ES Ergo XL Power Pack Insert is a pressure fit insert to hold the ES Power Pack when using the Ergo XL, allowing the operator to move about freely and with ease.





## ES Toggle Switch

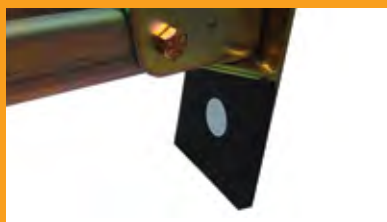
The ES Toggle Switch is mounted on the Ergo XL double handles. The switch controls on/off airflow when using with the ES Suction Equipment.



## ES 25' Hose

Use ES 25' hose with the ES Inline Venturi and a compressor to pick porous material (not guaranteed to pick all porous materials due to manufacturing variances of product).

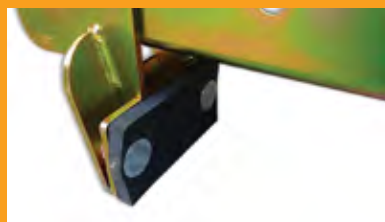
- Connects to the ES T-Handle to the ES Standard Power Pack or Wireless Power Pack
- 3/8" hose with "v" or "European Style" high flow fittings attached



### BL 450 Reinforced Replacement Pads

1 set of replacement reinforced rubber pads for the Quick-E-BL 450 block clamp.

Size: 4" x 4 1/2"



### BL 850 Reinforced Replacement Pads

1 set of replacement reinforced rubber pads for the Quick-E-BL 850 block clamp.

Size: 3" x 6"



### BL 980 Reinforced Replacement Pads

1 set of replacement reinforced pads for the Quick-E-BL 980 block clamp.

Size: 3" x 3 1/2"



### BL 3000 Reinforced Replacement Pads

1 set of replacement reinforced pads for the Quick-E-BL 3000 block clamp.

Size: 10" x 4 1/2"



### Quick-E-Lifter Replacement Grommets

Package of 6 replacement grommets for the Quick-E-Lifters.



### Quick-E-Paver Popper Replacement Teeth

A set of 2 replacement teeth for the Quick-E-Paver Popper.

# FINISHING TOOLS



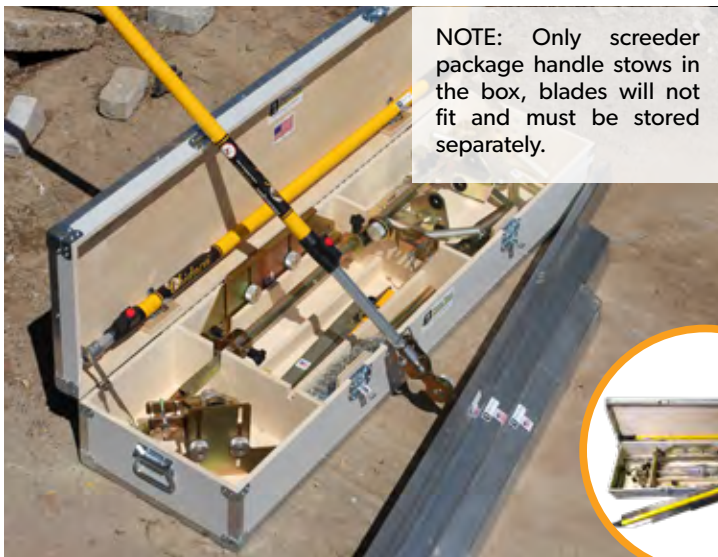
## QUICK-E-Tool Organizer

Holds over 50 Tools!

- 7 drawers
- 6 side compartments
- Foam included (personalize your tool cut outs)
- Made of galvanized steel
- Transport easily with a hand truck (not included)
- Note: Tools not included - picture as shown is 52 tools



- 35½" x 25" x 18½"
- Transport w. Hand truck
- Lockable Tool Box



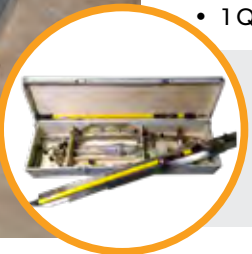
NOTE: Only screeder package handle stows in the box, blades will not fit and must be stored separately.

## Quick-E Box Kit

Keep JOBSITE organized

Box sold separately. Picture is for illustration purposes only and shows the box holding:

- 1 QUICK-E-Gauge, 1 QUICK-E-Hammer,
- 2 QUICK-E-Lifters, 1 QUICK-E-Sand Plow,
- 1 QUICK-E-Screeder Package, 1 QUICK-E-Scribes, 1 QUICK-E-Tracer, 1 QUICK-E-Wall Screenshot,
- 1 QUICK-E-Box, 1 QUICK-E-Handle



- 56" x 15" x 9"
- Carry by hand
- Lock not included
- 95 lb. box full



## Mini Joint Filler Optimas®

Use Dry or Wet!

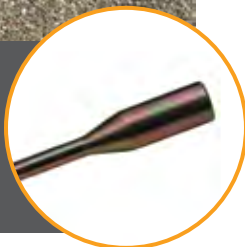
- Ideal for sweeping in polymeric and **EASYJoint**
- Attach a hose for wet jointing compounds
- Low maintenance - automatic chain tension
- Folding handle - makes for easy storing/transport
- 8 broom inserts with 2 broom crosses

42" working width 150lb. machine  
Honda GXV160 H2



#### Recommended Hammer Drill Specs:

- At least 8.1 ft lbs of impact
- At least 13 amp motor



## Quick-E-Hammer

Rapidly Install Spikes and Re-Bar Into Your Paver Edging

- Proven to decrease workman's comp claims due to smashed fingers and hands
- Alleviates tennis elbow, carpal tunnel, and fatigue
- Increase company moral
- The countersink design allows a 10" spike to be installed without causing the little bounce that loosens the spike and causes edging to fail



**NOTE:** Hammer drill must be "SDS MAX" (hammer drill not included).



## Quick-E-Dual Adjuster

Ideal Tool for Adjusting Your Pavers

#### 2 functions in 1:

- Rubber padded hammer on one side
- Hardened tooth on the other side



Split Face

Tumbled



## Quick-E-Tumbler

Age Your Snapped Pavers and Retaining Walls With Ease

- Quickest way to age, process, or tumble split products
- Same technology that's being used in most paver and wall manufacturing facilities
- Works great on natural stone too!
- Attach to a 1/2" drill (not Included)





**Optimas®**

**Joint Cleaner – D 10-Jet**

Specially designed for cleaning out of loose joint material. Effective blowing out of joint-material via compressed air.

- 10-Jet joint cleaner
- Cleans without water
- Integrated splash protection
- Evenly evacuates the joint
- Stainless steel housing

Dimensions: 30" x 14" x 4"

Weight: 55 lbs



**Joint Adjuster**

Aligns the joint pattern without kneeling. The joint adjuster features a replaceable blade made out of special hardened spring steel.

Length: 39"

Weight: 5 lbs



**Quick-E-Track Cleaner**

The Right Choice for Cleaning Equipment Tracks

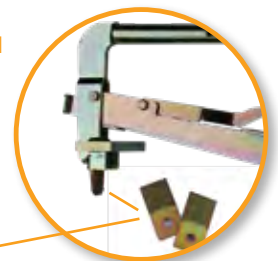
- Get into all the "hard to get" places while cleaning the undercarriage and buckets on your machines
- Open ended shovel with a tight pointed end
- Great for removing caked on mud



**Quick-E-Paver Popper**

Extracting pavers after they have been installed can be a daunting task. The Quick-E-Paver Popper will definitely minimize the frustration.

- Its unique ratcheting system allows the tool to be adjusted from a 4" width to 24", rapidly and effortlessly.
- Replacement teeth available. Sold Separately







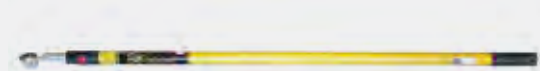
Guaranteed for 5 years

## Quick-E-Paver Pad

Protect pavers from being scuffed and marred by the steel plate of your compactor.



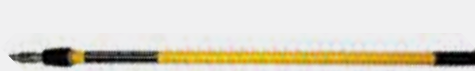
- Our unique formula of polyurethane
- Mounting hardware included
- Durable long lasting
- Universal fit
- Dimensions: 19" x 24"



## Quick-E-Handle Gen 2

For use with new 2019 versions of Quick-E-Screeder package, sand plow, or tracer.

- Fiberglass and aluminum handle, threaded metal tip, "Pin Lock" system, 2 sections



## Quick-E Handle Gen 1

For use with PTI tools made prior to 2019. General use for slit rollers, squeegees, broom heads, etc.

- Fiberglass and aluminum handle, threaded metal tip, "Pin Lock" system, 2 sections



## Quick-E-Head

- Used with the Quick-E-Screeder package
- Attaches the Quick-E-Handle to the Quick-E-Screeder blades

## Quick-E-Vents

Beautiful stainless steel accent for any gas or wood fire pit or grill surround.



### CLASSIC Size Options:

- 9.75" x 2.9" (11 sq inches of air flow)
- 11" x 3.5" (14.6 sq inches of air flow)
- 7.9" x 3.9" (11.22 sq inches of air flow)



### FIRE Size Options:

- 9.75" x 2.9" (7 sq inches of air flow)
- 11" x 3.5" (11 sq inches of air flow)
- 7.9" x 3.9" (11 sq inches of air flow)

# SPLITTERS



## Paver Splitter 12"

**Comfortable Shaft Height Adjustment**

One shaft height adjustment, comfortable and robust. Two specially hardened cutting knives with 4 cutting edges. Splitter table spring-mounted and able to tilt.

**Technical Data:**

- Cutting height = 4.75"
- Cutting width = 13"
- Unit Weight = 52 lbs.



## Slab Splitter 17"

**Comes with a Spring-Mounted Splitter Table**

Two shaft height adjustments. Two hardened blades with four cut edges.

**Technical Data:**

- Cutting height = 4.72"
- Cutting width = 16.92"
- Unit Weight = 108 lbs.



## Kracker Hog

**Splits a wide variety of block types & sizes in half the time.**

- Easy pump hydraulic foot action pedal.
- Blades are made of hardened steel
- No need for expensive replacement blades.
- Very wide wheel base for easy splitting on rough terrain, moving into a skid-steer bucket or transporting without toppling over.

**Technical Data:**

- Cutting height = 8"
- Cutting width = 16"
- Unit Weight = 185 lbs.

No more shimming wall block to make a clean split. Cutting and Dressing block? Use the Kracker Wall Splitter: dust-free, quiet operation



## Paver Puller

### Extracting Pavers

- Due to the even pressure of the handle placement, the pull force
- is applied equally.
- When pulling the pavers out, it is almost impossible to pinch your fingers!

Replacement blades available in 2pc, 4pc or 12pc packages

Adjusts 7.8" - 11.8"



## Quick-E-Gas Shut Off Insert

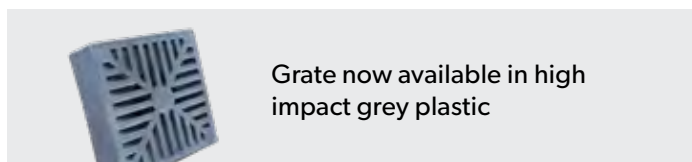
No need to drill or cut a radius in order to install the key way into a gas fire pit surrounding.

- Install the gas shut off valve with ease
- Size: 9.75" x 2.9"



## Quick-E-Adjustable Patio Drain

- Fine tune the drain quickly and easily after pavers are laid
- Fully adjustable with a drill or socket wrench
- Adjust up or down as needed if the pavers settle around the drain over time
- 8" square
- 3" travel adjustment

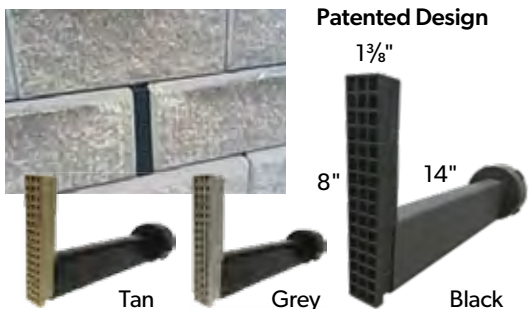


## Quick-E-Retaining Wall Spillway

Helps to Eliminate Wall Settling

The spillway has a 1 1/2" flange and can be installed loose or glued in. Fits with SDR35, Triple Wall drain pipe, or S&D. Call or email with any questions.

- 6" x 6" drain
- 8" spillway
- Water runs off the spillway past the toe (base) of the wall
- Slides in for easy installation
- Attaches the Quick-E-Handle to the Quick-E-Screeder blades



## Wall Drain Pro

47" long extension necks available for deeper walls allow you to custom fit if needed.

- Easy installation
- Aesthetically pleasing
- Reduces labour costs
- Designed for block 8" or smaller
- Height can easily be modified for any size block or timber
- Male end snaps into 4" drain tile

# SUCTION EQUIPMENT

## Elite Suction System

The right solution for almost every hardscape project!

We've packaged up our individual components by application to make choosing the right combination....simpler!

Our helpful staff is always available to assist with choosing the right package for your needs. Please get in touch with us today.



42" Extension bar option is sold separately.

## ES T-Handle Paver Pkg. D3

Compressor Assisted

### Package Includes:

- T-Handle
- ES Standard or High Volume (HV) Venturi 6"x 6" pad – 125 lbs
- 10" x 10" pad – 350 lbs
- ES 25' hose

### Picks:

- ✓ Dry cast pavers
- ✓ Natural stone
- ✓ Wet cast slabs/pavers
- ✓ Ideal for 3 piece combo layouts



**NOTE:** Compressor required (not included): Recommended 8CFMs & 90 PSI for maximum pressure (some smaller options may work – give us a call and we can help).

**NOTE:** the pad sizes are outside dimensions. (The overall pad size. Not the size of the rubber). Suction systems are not guaranteed to work on all porous material.

Now with NEW adjustable T-handle!



## ES T-Handle Natural Stone Pkg D2

Compressor Assisted

Package Includes:

- ES T-Handle w/ 6" x 6", 10" x 10" pads
- ES Natural Stone (Standard) Venturi
- ES 25' hose

Picks:

- ✓ Natural stone
- ✓ Slabs/pavers



6.5" x 13" pad

## ES T-Handle Add-on Plate

Designed for 3pc Paver Systems

Lifts 75lbs porous and 150lbs non-porous with any T-Handle package.

Plate sold separately.



12" x 12" Pad shown can Lift 470 lbs!

Pad not included

## ES Manual Package B2

Designed for Non-Porous

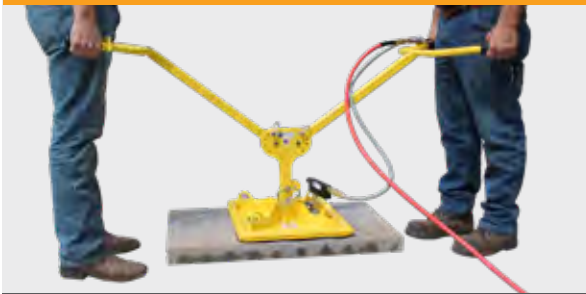
Package Includes:

- Ergo Assist XL w/ Power Pack insert
- ES Power Pack
- 2 x Dewalt batteries w/ 1 hr quick charger

Picks:

- ✓ Natural stone
- ✓ Non-porous materials

Now with new and improved adjustable Ergo XL!



Pad not included

## ES Manual Package C2

Compressor Assisted

Compressor Required (not included): Recommended 8 cfms and 90 psi for maximum pressure (some smaller options may work – give us a call and we can help).

Package Includes:

- ES HV Venturi
- Quick-E-Ergo XL
- ES toggle switch
- ES 25' hose

Picks:

- ✓ Porous slabs
- ✓ Natural stone



12" x 12" Pad shown can Lift 470 lbs!

Pad not included



## ES Manual Package B1

Battery Powered - Non Porous product - NOT Compressor Assisted

Package Includes:

- Power pack
- Quick-E-Ergo assist
- ES 25' hose
- ES toggle switch
- 2 x 20V Dewalt batteries w/ 1 hr quick charger

For quiet picking of non porous material up to 470 lbs as shown, larger pads will lift up to 2,400 lbs with same power pack!



Pad not included



## Manual Package C1

Compressor Assisted

Package Includes:

- ES HV Venturi
- Quick-E-Ergo assist
- ES 25' hose
- ES toggle switch
- Your choice of pad size  
Pad sold separately

Picks:

- ✓ Porous slabs
- ✓ Natural stone

The BEST part of the Elite Suction System is that it's so modular.

ES can be built to suit your individual needs. The following are all the components that can be mixed and matched to make up the perfect suction solution.

Choose the perfect package or make your own.



**NOTE:** Pads not included  
(ES Pad sizes – 12" x 12",  
16" x 18", 12" x 36", 18" x 36")



Pad not included

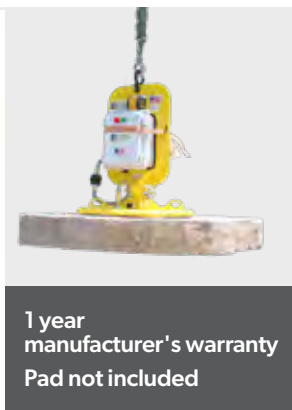
## ES Remote controlled Machine Package A1R

Remote Feature Frees up a Person

**Package Includes:**

- ES Wireless power pack w/ remote control
- ES Housing unit
- 2 batteries w/ 1 hr quick charger

Picks up to 2,400 lbs of granite, bluestone and natural stone with largest pad size of 18" x 36".



1 year manufacturer's warranty  
Pad not included

## ES Machine Package A1

Ideal for Large Step Treads Using an Excavator

**Package Includes:**

- ES Power pack
- ES Housing unit
- 2 x 20V Dewalt batteries w/ charger
- Red swivel hook

**NOTE: PADS SOLD SEPARATELY, PICTURE IS FOR ILLUSTRATION PURPOSE ONLY**

## ES All-Inclusive Package

Go BIG with this bundle and tackle any project!

Picks:  
Natural stone, Wet Cast & Dry  
Cast Slabs/Pavers

**Package Includes:**

- ES Power pack
- ES Housing unit
- 2 x 20V Dewalt batteries w/ charger
- ES 25' hose
- T-Handle
- ES HV Inline venturi
- All pads listed below



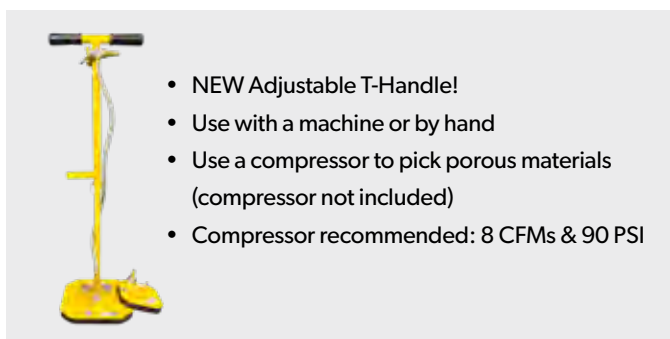
- Use with Housing Unit & Pad
- Use with ES T-Handle
- Picks up to 2,400 lbs.\*
- Picks non-porous material
- Picks most porous material\*

**Optional Accessories:**

- Red swivel hook
- **NEW** 8" x 18" Slim pad  
350lbs non-porous;  
137lbs porous.



Pad Size	Weight Limit	Vertical Weight
6"x 6" pad	125 lbs	
6.5" x 13" pad	150 lbs.	
10"x 10" pad	350 lbs	
12"x 12" pad	470 lbs	155 lbs
12"x 36" pad	1,640 lbs	492 lbs
16"x 18" pad	1,200 lbs	400 lbs
18"x 36" pad	2,400 lbs	720 lbs



- **NEW** Adjustable T-Handle!
- Use with a machine or by hand
- Use a compressor to pick porous materials (compressor not included)
- Compressor recommended: 8 CFMs & 90 PSI

\*weight limits vary, pending pad size & porosity of products



## ES Machine Package A2

- A2 Arm Handle
- ES Pad Size 16x18
- HV Venturi
- 25' Hose
- Toggle Extension
- Includes ES 16" x 18" pad. Shown with 12 x36 pad in photo



Picture shows 12" x 36" pad sold separately, but the A2 package comes with a 16" x 18" pad.



## ES T-Handle Pro Kit

Protect Your Investment

Pro Kit Includes:

- ES Adjustable T-Handle w. 6 x 6, 10 x 10, & 6.5 x 13 pads
- ES HV Venturi
- ES 25' Hose
- Toggle Switch
- Custom T-handle Armoured Storage Box

Box available separately as well.

# Need a Compressor?

**We Recommend a compressor of 8CFM at 90PSI or higher**

PLEASE NOTE, GNH DOES NOT SELL OR SUPPLY COMPRESSORS. Be aware that too much porosity in the material being lifted can require more powerful compressors. Please do a test lift prior to install day whenever possible.



# VME

## VAC MAX ELECTRIC SYSTEMS



### VME Starter Package

From T-Handle to Machine Laying w. the Ergo XL

- Vac Max E or Vac Max Battery
- 50' Power cord
- Adjustable T-Handle w. 10 x 10 & 6 x 6 pad
- Caddy w. 15' hose
- T-Handle Hose
- QUICK-E-Ergo XL
- 6 1/2 x 13 pad
- Pad Size 16 x 18
- VME relief valve

Note: Picks between 175 - 350 Lbs pending pad size and porosity of products



6 1/2 x 13 pad  
(shown in photo - sold separately)

### T-Handle Package

- Vac Max E (backpack vacuum)
- 50' Power Cord
- Adjustable T-Handle w. 10 x 10 & 6 x 6
- Vacuum Hose
- 4 foot T-handle hose
- VME relief valve
- Picks up to 175 Lbs.



Optional caddy and hose.



## VME1 Package

### Vac Max E (backpack vacuum)

- Vac Max Backpack
- 50' power cord
- Quick-e Ergo Assist
- 4' & 5' Vacuum Hoses
- VME relief valve

Not Included:  
ES Pads - see Plates &  
Add-on page



## VME2 Package

### Vac Max E (backpack vacuum)

- Vac Max Backpack
- 50' power cord
- Quick-e Ergo XL
- 4' & 5' Vacuum Hoses
- VME relief valve

Not Included:  
ES Pads - see Plates &  
Add-on page



## High Flow 200E

### Picks Porous and Non-Porous Products Up to 440 lbs

Comfortable lifting and installation of porous concrete or natural stone up to 200 kg/440 lbs. Mounts to any carrier vehicle quickly and easily. The pads are simple to change out.

#### Technical Data:

- Drive – Electric 110V
- Lifting capacity with largest pad – 440 lbs
- Unit weight – 41 lbs

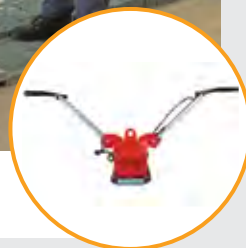
#### Features:

- 2 adjustable handles
- Pressure gauge
- Eye bolt for machine lifting



#### Pad sizes available:

- 12"x15.75" – Lifting capacity: 210 lbs
- 12"x24" – Lifting capacity: 330 lbs
- 15.75"x24" – Lifting capacity: 440 lbs



#### Replacement parts available:



# SUCTION PLATES AND ADD-ONS



## ES Pad 12" x 12"

**Picks:** 12" x 12" – 16" x 18" slabs. Take the product weight into consideration.  
**Weight Limit:** 470 lbs  
**Vertical Weight Limit:** 155 lbs

*"Great product to lift blocks and pavers! This and other pads are worth every penny. Beats breaking your back. Thank you for a solid easy to use product to make our jobs more efficient."  
 – Anonymous Web Review*



## ES Pad 12" x 36"

**Picks:** 12" x 36" – 18" x 36" slabs. Take the product weight into consideration.  
**Weight Limit:** 1,640 lbs  
**Vertical Weight Limit:** 492 lbs

*"Shout out to Pave Tool for taking the hard out of hardscaping. That's the truth my friends. It's just fun ya'll. It's fun. That's all. Work's like a gem bro."  
 – Kevin C.*



## ES Pad 16" x 18"

**Picks:** 16" x 18" – 12" x 36" slabs. Take the product weight into consideration.  
**Weight Limit:** 1,200 lbs  
**Vertical Weight Limit:** 400 lbs

*"Received this quickly and put it right to work and it exceeded my expectations. Looking forward to using this from now on. Definitely saved my guys' backs a lot of stress. Highly recommend this too."  
 – David*



## ES Pad 18" x 36"

Picks: 18" x 36" and larger, slabs, and step treads.  
 Please take the product weight into consideration.  
**Weight Limit:** 2,400 lbs  
**Vertical Weight Limit:** 720 lbs

"Our favorite way to install granite." – Chris Weger, Twin Landscaping Inc.



## ES Pad 6 1/2" x 13"

- Use with ES T-Handle
- Designed for 3 pc systems

**Weight Limit:** 75 lbs porous and 150 lbs non-porous.



## ES Power Pack – Standard

This light weight 15 pound box can be used with the ES T-Handle to lift your small pavers or be used with our five different ES Pad sizes to lift slabs all the way up to 2,400 pounds. Can run up to 8 hours on a single charge.

**Included:**

- 1 – ES Standard Power Pack
- 2 – 20v 6Ah Dewalt batteries
- 1 – Dewalt 1 hour quick charger
- 1 – Buckle strap (used with ES Housing Unit and Quick-E-Ergo XL)



## ES Power Pack – Wireless Remote

Turn suction on and off from cab of excavator with remote control.

**Included:**

- ES Power Pack Standard PLUS remote
- 2 – 20v 6Ah batteries included



## ES HV Inline Venturi Attachment

**Contractors Choice**

- Use with a compressor (we suggest 8 scfm at 75 psi as minimum ratings for compressor size)
- Can be used with the ES T-Handle (which includes the 6" x 6" and 10" x 10" pads)

**Note:** Results vary when picking up heavier porous materials.

Attaches to these 4 pad sizes:  
 12" x 12" • 16" x 18"  
 12" x 36" • 18" x 36"

# "We've got your back."

## 3 Year Guarantee / 1 Year Electrical

Snap Edge® Canada Ltd./Great North Hardscape (GNH) and Pave Tool Innovators (PTI) have built their reputation by engineering products that exceed consumer expectations for quality and durability. Our 3 year warranty covers all PTI tools from manufacturing defects. Electrical components carry a 1 Year warranty. Foam seals and gaskets are not covered under warranty due to wear and tear nature. Please see our website for full warranty details or ask your rep for more information.



Attaches to these 4 pad sizes:  
 12" x 12" • 16" x 18"  
 12" x 36" • 18" x 36"

## ES Standard Venturi Attachment

- Pick non-porous materials using any ES pad w/ QE-Ergo Assist, QE-Ergo XL, or excavator
- Must use w/ air compressor (suggest 8 cfm and 90 psa min)

**Note:** Results may vary when picking up porous materials.

## Replacement Rubber Seals for ES plates:



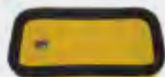
### 6" x 6" Rubber Seal

- Fits ES pad size 6" x 6"
- Self adhesive backing



### 10" x 10" Rubber Seal

- Fits ES pad size 10" x 10"
- Self adhesive backing



### 6 1/2" x 13" Rubber Seal

- Fits ES pad size 6 1/2" x 13"
- Self adhesive backing



### 12" x 12" Rubber Seal

- Fits ES pad size 12" x 12"
- Pressure fit channel



### 12" x 36" Rubber Seal

- Fits ES pad size 12" x 36"
- Pressure fit channel



### 16" x 18" Rubber Seal

- Fits ES pad size 16" x 18"
- Pressure fit channel



### 18" x 36" Rubber Seal

- Fits ES pad size 18" x 36"
- Pressure fit channel



Scan for Videos and Purchase Options

# SOFT FACED PAVER & WALL MALLETS

Highest Quality on the Market  
Now With Optional "Stand-Up Inserts"

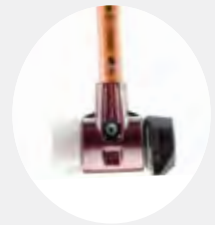


# MALLETS



## Stand Up Sim60 Mallet

The all new "Stand-Up" Simplex black rubber insert allows the Simplex mallet to stand up vertically. Making it easy to set down and pick up while working.



## Sim60 Light Weight Mallet

With Aluminium Housing and High-Quality Wooden Handle

### Insert 1:

- TPE-soft, blue
- Non-marring (soft)

### Insert 2:

- TPE-mid, grey
- Non-marring (medium)

- Aluminium alloy housing
- High quality wood handle



## Sim60 Mallet

Paver Guys Love Them!

- 3.5 lbs mallet
- Cast iron housing
- High quality wooden handle
- Insert 1 – Black, composite rubber insert (med. hard)
- Insert 2 – White Superplastic insert (hard)
- Handle and inserts are replaceable



Also available, the smaller Sim40



## Sim80 Mallet

Wall Guys Love Them!

- 6.5 lbs mallet
- Cast iron housing
- High quality wooden handle
- Insert 1 – Black, composite rubber insert (medium hard)
- Insert 2 – White Superplastic insert (hard)
- Handle and inserts are replaceable



## Supercraft 50 Dead Blow Mallet

- Nylon, white
- Hard
- Very wear-resistant
- Noise-dampening
- Very high impact
- No chipping (even at temperatures below zero)
- Handle – Steel tube and ergonomic rubber grip



## Supercraft 60 Dead Blow Hi-Viz

3.8 LBS

Completely robot-welded, robust yellow fluorescent powder coating, maximum solidity of the inserts made from special nylon with excellent impact quality and very high durability. Inserts are replaceable.



## Supercraft 70 Dead Blow Mallet

- 4 lbs dead blow mallet
- Cast iron housing
- Wooden handle
- Inserts – Two white, nylon heads (hard)
- Handle and inserts are replaceable



## Sledge Mallet 80

- 7.5 lbs sledge hammer
- Cast iron housing
- Long hickory handle
- Insert 1 – Black, composite rubber insert (medium hard)
- Insert 2 – White, Superplastic head (medium hard)
- Handle and inserts are replaceable



## Sledge Mallet 60 With Stand Up

### Insert 1:

- Medium hard
- Impact cushioning
- Odourless
- Low-wear

### Insert 2:

- Superplastic, white
- Medium hard
- Very durable
- Wear-resistant

- Cast iron housing
- Hickory handle

# HALDER MALLET PARTS



## Simplex Mallet Insert – Black 60 mm

Replacement insert for 60 mm mallet. Black medium hard composite rubber.



## Simplex Mallet & Sledge Insert – Black 80 mm

Replacement insert for 80 mm wall mallet and 80 mm sledge hammer. Black medium hard composite rubber.



## Simplex Mallet Insert – White 60 mm

Replacement insert for 60 mm mallet. White medium hard Superplastic.



## Simplex Mallet & Sledge Insert – White 80 mm

Replacement insert for 80 mm wall mallet and 80 mm sledge hammer. White medium hard Superplastic.



## Mallet Head - Red 60mm

Replacement insert for 60mm mallet. Red, Hard, Oil & Grease resistant. Universal.



## Simplex Mallet Insert – Blue 60 mm

Replacement insert for 60 mm mallet. Blue TPE-soft, non marring, soft.



## Simplex Mallet Insert – Grey 60 mm

Replacement insert for 60 mm mallet. Grey TPE-mid, non marring, medium hard.



## Supercraft Mallet Insert – White 50, 60 & 70 mm

Replacement insert for 50, 60 & 70 mm deadblow mallet. White hard nylon.

## Replacement Mallet Handles

Replacement handles for the following mallets:

Sim60



Sim80



Supercraft Sizes





**Tufx- The lightest  
and strongest**



**wheelbarrows in the industry  
NOW COMES STANDARD WITH  
FLAT-FREE ALL-TERRAIN WHEELS  
ON SELECT MODELS.**



Chosen #1 by hardscape & concrete contractors. GNH offers a full range of Tufx wheelbarrows & handcarts. Most popular hardscaper models shown. For the full list please refer to your price guide or [GreatNorthHardscape.com](http://GreatNorthHardscape.com)



**Committed to making work easier and your life better.**



## GUE90F

5 Year Warranty

For all your home construction projects.

- 5 cu.ft / 141.5 L
- 250 lbs / 113.5 kg
- Poly tray
- Air or PU wheel with poly hub



## GUE90A

5 Year Warranty

For all your home construction projects.

- 5 cu.ft / 141.5 L
- 250 lbs / 113.5 kg
- Poly tray
- Air or PU wheel with poly hub



## PE100F

5 Year Warranty

For all your home construction projects.

- 6 cu.ft / 170 L
- 450 lbs / 204 kg
- Poly tray
- Air or PU wheel with poly hub



## PE100

5 Year Warranty

For all your home construction projects.

- 6 cu ft / 170 l
- 450 lbs / 204 kg
- Poly tray
- Air or PU wheel with poly hub



## TK100

5 Year Warranty

For all your home construction projects.

- 6 cu.ft / 170 L
- 400 lbs / 181.5 kg
- Poly tray
- Air or PU wheel with poly hub



## TP805

5 Year Warranty

For all your home construction projects.

- 8 cu.ft / 226.5 L
- 500 lbs / 227 kg
- Poly tray
- 2 air wheel unit with poly hub

Lifetime Warranty



## PX120F-X7

- 6 cu ft / 170 l
- 550 lbs / 250 kg
- Poly tray
- Air or PU wheel with poly hub
- Superior ergonomic design easily handles and controls heavy loads
- Extra thick, heavy-duty high impact tray. Available in poly or steel.
- Sturdy one piece zinc finish frames with XX-bracing
- High impact wheel with poly hub. Available in pneumatic or flat free.

Lifetime Warranty



## PX162

- 10 cu ft / 283 l
- 750 lbs / 340 kg
- Poly tray with dual wheels for ultimate capacity
- Air or PU wheel with poly hub

Lifetime Warranty



## TP566

- 7 cu ft / 198 l
- 600 lbs / 272 kg
- Steel tray
- Air or PU wheel with poly hub

Lifetime Warranty



## SX120-XO

- 6 cu.ft / 170 L
- 500 lbs / 227 kg
- Steel tray
- Air or PU wheel with poly hub

Lifetime Warranty



## SX140

- 7 cu.ft / 198 L
- 550 lbs / 250 kg
- Steel tray
- Air or PU wheel with poly hub

\*Lifetime warranty is on tray and frame only. Wheels carry a 30 day or 1 year warranty depending on the model.

TUF<sup>®</sup>X

# Hand Carts



## TX600L

- 600 lb max. capacity
- Loop handle
- 1 1/8" O/D 16-gauge steel frame
- Height - 43"
- Width 20"
- 8" x 14" base plate
- 10" PU wheels
- Powder coated



## TX600P

- 600 lb max. capacity
- Loop handle
- 1 1/8" O/D 16-gauge steel frame
- Height - 51"
- Width 20"
- 8" x 14" base plate
- 10" PU wheels
- Powder coated



## TX800TM

Unique flip down gate can haul an 800 lb boulder or several bags of polymeric sand with ease.

- 800 lbs max. capacity
- 7" x 16" base plate
- 10" PU wheels
- Powder coated
- 1 3/16" O/D 16-gauge steel frame
- Height 44", width 20"
- 20" removable nose extension



## TX1000

- 1000 lb max. capacity
- Twin handle
- 1 1/4" O/D 16-gauge steel frame
- Height - 45"
- Width 20"
- 8" x 14" base plate
- 10" PU wheels
- Zinc plated



# GARDEN PRODUCTS

Nursery and landscaping businesses need quality garden tools too. GNH provides high-quality, professional-grade Yard & Garden products for professionals and homeowners.



## Builders Reusable Rubble Sacks

Holds Up to 250 lbs!

Construction crews, trades, home builders and do-it-yourselfers, garden centres, garden enthusiasts, warehouses, nurseries, etc.

- Large extra strong hardscaper/builder tough waste bags
- Ideal for carrying rubble and other fragments of brick and stone

Size: 18" x 18" x 18" (95.5 l) – 2 pack



## Cubic Yard Bags

Holds Up to 2,200 lbs

The Mighty Mega Cubic yard bag needs no explanation. Start profiting from the lucrative business of soil and mulch delivery by the cubic yard. Colour may vary from picture shown.

Size: 36" x 36" x 36"



## MAXBIT 4" Hole & 6" Hole"



The MAXBIT™ makes planting small plants easy by digging a perfect hole every time.

4" or 6" diameter (smaller plants):

- Attaches to a 3/8" household drill
- Made of steel, built to last
- Digs a perfect hole every time

POP display available with min purchase.

Available in: Green, Black, Yellow, and Orange.



## MAXBIT™ 25" Extension

The MAXBIT™ extension allows you to dig from a standing position.

- Fits MAXBIT™ 4" and 6"
- Attaches to a 3/8" household drill
- Equipped with set screws and Allen wrench
- Made of steel, built to last
- Allows digging perfect holes from standing position



## MAXBIT™ 1 & 3 Gallon

Speeds planting up to 5x faster than digging with shovel.

1 Gallon – Ideal for starter shrubs up to 1 Gallon.

3 Gallon – Ideal for more established shrubs up to 3 Gallons.

# KERR LIGHTING



## Wallter & Cornelius

Light Up Your Hardscape Projects!

Using less than 1 watt per fixture, these lights provide an unrivalled lighting combination of energy efficiency, durability, and brilliant light quality that you have come to expect from Kerr.

- Seamless fixtures used with low voltage 12 V DC systems

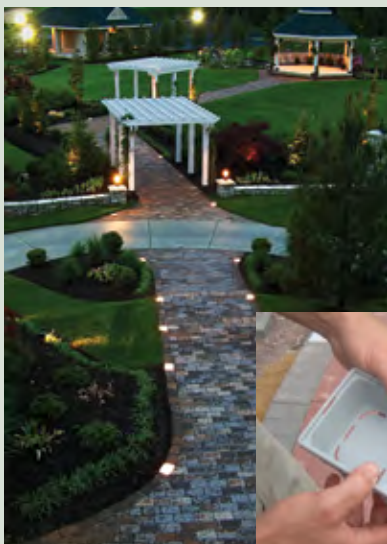
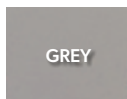
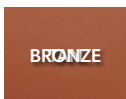


**Wallter**  
Perfect under wall caps, pillar caps, and steps.



**Cornelius**  
Works well underneath pillar caps on an outside corner.

Available in:



## The paver shaped 'Paver Light!'

Kerr Lighting is an affordable option that enhances the beauty of a patio, walkway, driveway, retaining and seat walls, pillars, steps, and more!



A variety of styles available. See website for full details.

# Rubi® Porcelain Paver Tools & Systems

For over 70 years RUBI Tools has helped ceramic tile installers handle porcelain slabs.... and now they bring porcelain paver solutions to you!



## Cutting Wheels



**Diamond Disc VDF**  
100mm Desb.fino Pro



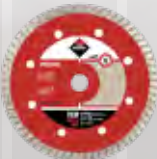
**Blade 4 1/2"**  
Cutting & Grinding USA



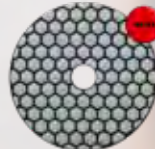
**Blade 5"**  
Cutting & Grinding USA



**TVR**  
115mm (4 1/2") Superpro



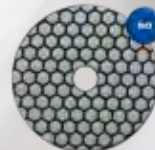
**TCR**  
115mm (4 1/2") Superpro



**Resin Dry Polishing Pad**  
Grit #400 - 4"



**Resin Dry Polishing Pad**  
Grit #200 - 4"



**Resin Dry Polishing Pad**  
Grit #50 - 4"



**Resin Dry Polishing Pad**  
White Buff 4"



**Back-Up Pad 4"**





ZERO DUST technology



## DCX-250

Xpert Electric Cutters (Diamond Blades not incl.)

RUBI's DCX-250 Xpert range of professional cutters is designed for intensive cutting of porcelain paver tiles and for occasional cutting of natural stone.

- ✓ Highly reinforced aluminum chassis
- ✓ Reinforced cutting head guide for more precise cuts
- ✓ 30L external cooling system for easy filling and cleaning
- ✓ folds down for easy transport.



## DCX-350N

Laser & Level Saw (Diamond Blades not incl.)

The DX-350 N has a motor assembly mounted on sliding bearings and offering maximum precision and reliability to obtain perfect finishes.

Ideal for cutting all types of ceramic tile and building materials such as; marble, granite, pavers, bricks and porcelain pavers.



## Guide Kit For Tc-125 Saw

The TC-125 kit is THE IDEAL system for cutting large format porcelain pavers.

**Kit includes:** Suction cups x 2 (#18834), Fixing C-Clamp x 2 (#52220), Cutter guides x 3 of 110 cm, each (#18913), Carrying bag (#18230). For use with TC-125 circular saw.



## TX-1020 Max

- Cutting length - 102 cm
- Diagonal cutting length - 70x70 cm
- Cutting height - 3-21 mm
- Separator power - 1200 kg



## TX-1250 Max Inch

- Cutting length - 125 cm
- Diagonal cutting length - 85x85 cm
- Cutting height - 3-21 mm
- Separator power - 1200 kg



## Rubimix-9 N Plus 120V 50/60HZ USA Chuck

- 2 speed gearbox and progressive switch (R.P.M. regulation) to optimize the mixing of each material.
- Quick and easy to change the brushes. High comfort.
- For cementitious adhesives, resins, paints and other materials.



## Mortar Glue Mixer Paddle M-120-FI 3H

- For mixing cementitious adhesives
- Exclusive use on RUBIMIX-16 ERGOMAX or via FAST-IN adapter (Ref. 76907).
- Fast connection without tools FAST-IN



## TC-125 120V 60HZ USA W/Arrowhead Circular Saw

- Cutting Height - 20-25 mm
- Mitre Thickness cut - 14-18 mm
- RPM - 13800
- Power Supply - 110-130V 50-60 Hz
- Outside Diameter - 115-125mm
- Inside Diameter - 22.2mm
- Saw dimensions - 330x239x206cm



## Maintenance Kit

Cleaning, lubricating & maintenance oil suitable for regular maintenance of cutter parts that are regularly used; guides, sliding system, axles, spiral, metallic surfaces.



## Rodel Extreme Plus 22mm For TX & TZ Cutters

- Titanium-coated tungsten carbide cutting wheel for extra-long life
- For optimal cuts on hard ceramics with rough or structured surfaces
- Patented steel shaft provides maximum precision and minimum vibration
- Suitable for use on all surfaces
- Fits TZ and TX tile cutters
- 22mm (7/8") scoring wheel
- 1900 model includes bearing in cutting wheel



## Plus Carbide Scoring Wheel 7/8" (22 mm.)

These Rubi scoring wheels for TX and TZ tile cutters are suitable for all surfaces and offer exceptional quality when scoring porcelain pavers with rough or structured surfaces.



**Diamond Drill Bit Drygres**  
4DRILL 10mm Hex.



**Dry Cutting Drill Bits**  
1 3/4" - 5/8" US



**Dry Cutting Diamond Drill Bit**  
50mm 5/8" USA



Rubi/Clickbase  
Porcelain Install  
Bonus Video

## RUBI® Premium Quality Drill Bits

- This range of diamond drill bits are recommended for the drilling of all types of porcelain pavers, and other materials such as marble, granite & ceramic.
- VACUUM BRAZED weld technology increases the resistance to temperature and friction.
- IDEAL For drilling in stone and porcelain pavers.
- Max operating speed 14,000 r.p.m. M14 thread finish. Usable with grinder (direct connection) or electric drill (adapter ref. 05976). Supplied in blister.



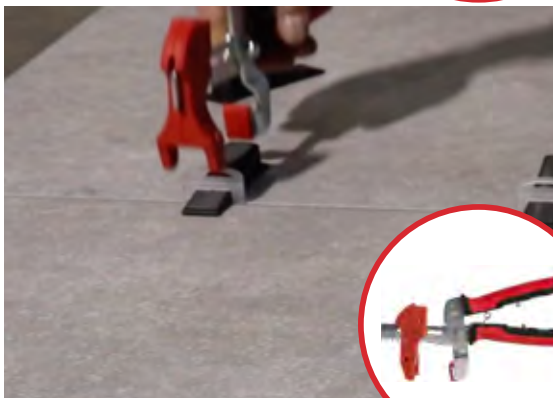
## Wedges

The wedges as part of The DELTA levelling system prevent the movement of the porcelain pavers during the setting of the adhesive, thereby eliminating trip hazards.

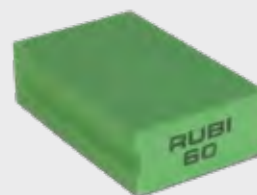


## Clips

- The Delta Levelling System prevents lippage when installing paver tiles
- Ideal for installing large format porcelain pavers (12" x 12" minimum)
- Prevents tiles from moving while adhesive sets to ensure a flat surface
- For use on both horizontal and vertical installations
- Use with Delta Levelling Wedges item RT-02843
- Easy removal by impact in the direction of the grout (kick or mallet)
- These clips will produce a joint size of 1/8" on pavers ranging from 1/4" to 9/16" thick
- Use in conjunction with pavers spacers to space the joint



## Delta Level System Fast-Fix Pliers



**Diamond Handpad**  
Grit #60



**Diamond Handpad**  
Grit #120



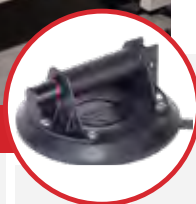
**Paver spacers**  
for 1/8" (3 mm)

Ideal for large format porcelain pavers



**Paver spacers**  
for 3/16" (5 mm)

Ideal for large format porcelain pavers



## Premium Suction Cup

With manual Vacuum Pump for semi-rough surfaces.

- 8" (20 cm) diameter.
- Suction cup for handling large and heavy Paver Tiles.
- Adapts to textured surface finish.
- Suction applied by manual vacuum pump.
- Load loss indicator (red mark).
- Quick Pressure-release mechanism.
- Maximum load capacity: 243 lb(110kg).
- Case Included.
- No Battery to charge or electronics to break down.



## Professional Knee Pads

- Professional knee pads of great comfort.
- Made of shock absorbent material to protect against knocks and bumps.
- Its internal layers perfectly adapt to the user's knee.
- Big leaning surface for optimum stability.
- Adjustable superior fastener.

# PROBREAK

ENGAGE | ELEVATE | EVOLVE

**At GNH we are firm believers in hands on education with a try before you buy mentality.**

## What is ProBreak?

Great North Hardscape's ProBreak is all about bringing you industry knowledge and product education, in short bursts, whether that is via online communication or in-person events. GNH is dedicated to your continued advancement. Let us help you...

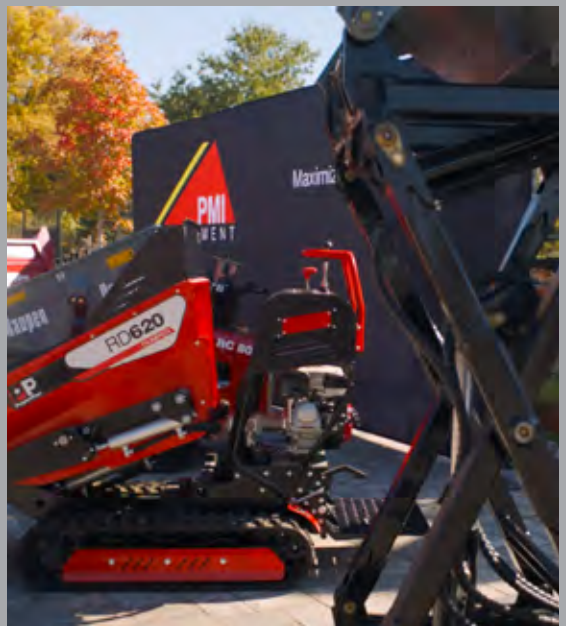
Visit [GNHProBreak.com](http://GNHProBreak.com) for up to date information on where our ProBreak trailer will be showing up in your local markets. Don't miss these fast paced, micro session events designed to fit your busy schedule and provide **MAXIMUM IMPACT**. ENGAGE, ELEVATE, EVOLVE.....HARDSCAPE!

[gnhprobreak.com](http://gnhprobreak.com)



Scan the code to sign up for our newsletter to receive special offers and helpful hardscape advice





## UNDERSTANDING

# OPEN GRADE BASE

The professionals at GNH continue to research and determine the best practices for all installation processes from base construction to installation tools and finishing products. This section explains why employing an open graded base model will achieve the most successful end result.

### What is Open Grade Base (OGB) vs. Dense Grade Base (DGB)?

OGB is the combination of a traditional paver installation with polymeric sand with a base and setting bed that are free draining as the foundation. One of the most beneficial reasons to understand and employ OGB in Canada is you don't have the freeze/thaw expansion issues that come with DGB.



#### PLUS...

- ✓ You have better built-in resistance to weeds and insects.
- ✓ Jointing is more attractive and tidy than stone chip.
- ✓ Eliminates sand washout on raised patios.
- ✓ There's minimal efflorescence because it washes down.
- ✓ The bedding can be carefully walked upon.
- ✓ Base materials can be installed in almost any climate or inclement weather.
- ✓ Some joints can be left permeable for excessive water run off areas.
- ✓ Water from 'cutting-in-place' dissipates quickly, and your slurry from cutting is easily washed off into the open grade base material.

### What is Acceptable OGB Base Material and How Deep Should it Be?

ASTM #57 (3/4") clear angular crushed stone at min depth of 6"-8" and 1" of ASTM #8 (or #9) stone for the setting bed is recommended after installing a geotextile fabric to separate the subsoil from your base. GNH Stronghold™ woven meets or exceeds the demands needed for effective OGB. Fabric is completely necessary in any OGB installation as the aggregates used have no fines to protect organics from migrating through the open-graded aggregates. This migration will cause your project to have problems in the future.

Make sure that the fabric extends up the sides of your installation and wraps up and over the #57 (but under the bedding) extending 6" past the perimeter of your pavers where the edge restraint will be installed. This forms a packet of free draining aggregate. Fabric is essential in preventing any organic material from contaminating the bottom and sides of your OGB.



## UNDERSTANDING OGB PERFORMANCE

Since #57 stone and #8 has no fines, it virtually eliminates the freeze/thaw expansion properties you have with traditional crushed stone and C-33 bedding sand.

There can be substantial savings by switching to #57 stone even though a truckload costs more than crushed stone...

But here is where you make up some ground using #57:

- ✓ It requires far less compaction time.
- ✓ There is higher yield on a truckload.
- ✓ An 8" or 12" lift can achieve full compaction with a small plate compactor with a min. centrifugal force of 4,500 lbs.
- ✓ #57 stone is compacted to 95% on arrival.
- ✓ You only lose up to 5% of #57 during compaction. When using crushed stone you will lose 25% to 30% when compacted to the required 98% proctor density.

### I Still Don't Believe That OGB Can Save Me Money if It's More Expensive to Buy...

Substantial experience shows that a 15-yard load of crushed stone will yield an average of 11 yards after compaction. A 15-yard load of #57 stone will yield at least 14.25 yards after compaction. This makes calculating material more accurate with less errors because you only lose 5% after compaction with #57 and you lose 25-30% volume with crushed stone.

### How Does OGB Really Save Me Time?

A common reason for callbacks on crushed stone base installs is they aren't compacted to 98% proctor density and residual settling or sagging occurs. The most important advantage of #57 stone is that it's much easier to ensure sufficient compaction takes place whether you're experienced or new to hardscaping.

**BONUS FEATURE:** With the already high compaction rate of the ASTM #57 stone, you are able to install higher lifts (4") before you use your plate compactor. This saves you time in the installation.

### What Do I Use for a Setting Bed on OGB?

It is best to use one inch (1") of ASTM #8 OR #9 (3/8" or sometimes found as 1/4" open-graded crushed rock with no fines) for the setting bed. With the #8 or #9 stone installed directly on top of the #57 stone, water quickly drains through to the base and back into the water table.

### How Does OGB Differ on Edge Restraints?

When you use #57 stone as a base material you need to use an edge restraint designed and engineered to hold in loose materials like Quick-E-Hybrid Edge, Permedge or an polymer modified fibre reinforced concrete haunch material like EdgeCrete.

**HELPFUL TIP:** Since your OGB is a basin for water, you will want to keep that water away from foundations. It is good plan to use a column of densely graded material up against the foundation and slope the sub-base at 3/8" per foot for at least 10' away from the structure. In extremely wet climates a rubber membrane against the foundation is highly recommended especially if there is a living space next to the install.

### Inexpensive Insurance

After the first 4" lift of #57 a biaxial geogrid like Mirafi 2XT can be sandwiched into the #57 providing added security and is very inexpensive insurance for your OGB. When installed side-by-side (no overlap) the geogrid will prevent any settling of the ASTM #57 stone and reinforce the perimeter of your installation where the weakest area is.

### Poly Sand Calculations

When budgeting your polymeric sand for an OGB install add about 5% more since the sand has to choke out/fill some void space in the bedding stone.

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## What About Clay Subsoil?

You may want to consider doing a soil amendment if you are in clay subsoil. There are 2 types of subsoil you will most likely encounter in North America; sand or clay. An open graded base is a viable solution for both.

However, in a clay subsoil, water will get trapped which can lead to future problems with your base. By completing a soil amendment, you will allow some of that trapped water to filter further through your subsoil and result in a stronger base.

To amend your soil it is recommended that you use the following mix: 50 pounds of portland cement OR a lime material for every 100 square feet that needs amendment. You can then spread a single layer of ASTM #57 on top of your amendment, followed by compaction of your subsoil. By doing this, you will strengthen your base, break up the clay and allow for the water to drain.

## Which Hybrid Edge is Best for Me?

What is the best Hybrid Base Edging for any application? In a recent test performed against fibre reinforced concrete it has been proven that the mechanical connection provided by Hybrid Edge & PermEdge when used on Hybrid Base materials is over 4x stronger than ALL concrete haunch options on the market. When lateral force is applied to the pavement edge (similar to a vehicle torquing at the edge); concrete haunch exhibited a ball bearing effect pulling away over the HPB and providing almost no lateral resistance to creep over the bedding material. With GNH Hybrid base edging options, you won't find better performance for hybrid base installs whether vehicular or non-vehicular! Hands down.

# PRODUCT ORDERING



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GNH products and equipment are sold by local hardscape dealerships throughout Canada, providing you with a local presence and support to help serve you better. Any products can be ordered and put on your account with your preferred stone yard. Simple.

### Where do I find support?

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### Where can I get price quotes?

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