



20 YEAR
warranty
ECORASTER®



Product Overview

Quality Permeable Ground Reinforcement

X30 | Bloxx | E40 | E50

ECORASTER® E40 | E50

Quality permeable ground reinforcement



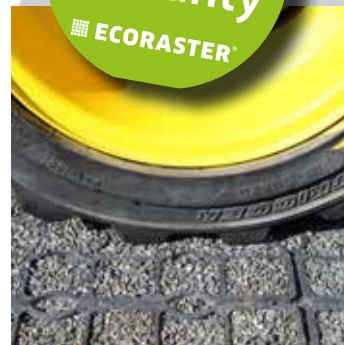
High quality permeable ground reinforcement.
E40 Allround and E50 Heavy-Duty.

Your Benefits:

- ✓ easy and quick installation (up to 100 m² | 1,076 ft²/h per person)
- ✓ high resilience (up to 800 t/m²)
- ✓ low maintenance
- ✓ installation without heavy construction equipment
- ✓ no edging needed
- ✓ permeable ground reinforcement
- ✓ low transport and handling costs
- ✓ versatile applicable, accessories available
- ✓ weatherproof and unbreakable
- ✓ Safety interlocking, 36 notches per m²
- ✓ UV-resistant and frostproof
- ✓ immediately green area (ECORASTER® Green, pre-greened)
- ✓ 20 year warranty
- ✓ „Made in Germany“ (TÜV Nord)

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Easy to install:

Step 1
LAY

ECORASTER®



Step 2
CUT

ECORASTER®



Step 3
FILL

ECORASTER®



it's
DONE!

ECORASTER®



Type:	Dimensions:	Material:	Wall thickness:	Load:	Solubility:	Compressive strength:	Weight per piece:	Weight per m ² 10.76 ft ² :
E50 Heavy Duty	330 x 330 x 50 mm • 12.99 x 12.99 x 1.97 "	100% recycled LDPE resin	5 mm • 0.1968 "	up to 800 t/m ²	resistant to acids, al- kalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain, etc.)	up to 20t point axle load (DIN 1072)	1,06 kg • 2.34 lbs	9,55 kg • 21.05 lbs
E40 Allround	330 x 330 x 40 mm • 12.99 x 12.99 x 1.57 "		3,6 mm • 0.14 "	(depend- ing on fill type)			0,58 kg • 1.27 lbs	5,22 kg • 11.50 lbs

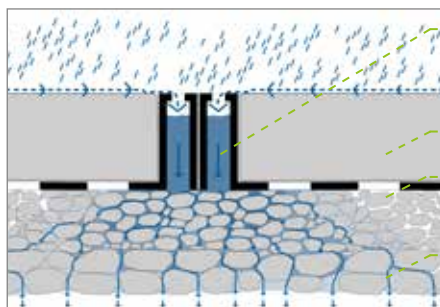
ECORASTER® Bloxx

With integrated „no-clogging“ drainage



Stylish permeable „paved“ areas installed with quick and easy installation.

How it works:

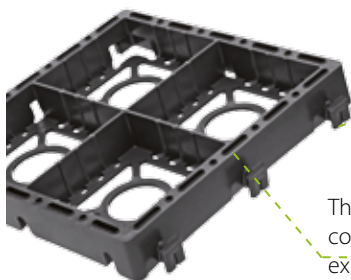


Clog-free drain system

Bloxx Concrete Element

ECORASTER Bloxx

Substructure, drainable base



Be Creative! ECORASTER® Bloxx fits into the ECORASTER® system.

Thermal expansion is compensated by integral expansion elements

Unique safety interlocking, NO bumps, NO tripping hazards!

Colorful: Dark grey, light grey, red, white... combine as u like.

Fully accessible!!!
ADA compliant



Clogging? Not possible!



Easy to install:



ECORASTER® Bloxx, unpack, snap together, and drop the blocks in. No need to tuckpoint the joints!

Bloxx elements connect together in seconds!

Bloxx Paver Elements, replaceable without loosening the cluster (e.g. exchange dirty paver)

- ✓ **Safety Locking System**
- ✓ **High infiltration rate**
- ✓ **Quick Installation**
- ✓ **Low maintenance**

Type:	Dimensions:	Material:	Paver colors:	Solubility:	Compressive strength:	Weight per m²:
Bloxx	330 x 330 x 50 mm • 12.99 x 12.99 x 1.97"	100% recycled LDPE resin	red, white, dark grey and light grey	resistant to acids, alkalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain, etc.)	up to 20t point axle load (DIN 1072)	approx. 85 kg • 187.39 lbs (incl. pavers)



ECORASTER® X30

Hardscape Base Stabilizing System

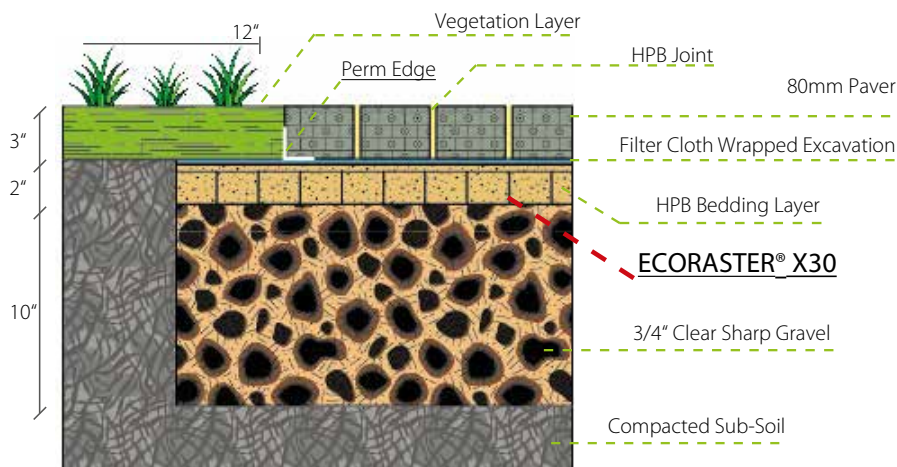


Heavy-duty interlocking base stabilization system for increased pavement performance.

Your Benefits:

- » Works for concrete pavers, asphalt, concrete, etc.
- » Up to 50% base reduction in excavation
- » Up to 30% labour cost savings
- » Wider pin-point load dispersal
- » Reduced warrantee call-backs from shifting and sinking
- » Reduced risk of poor sub-base compaction
- » Sustainable, efficient, and profitable!

Easy to install:



Applications:

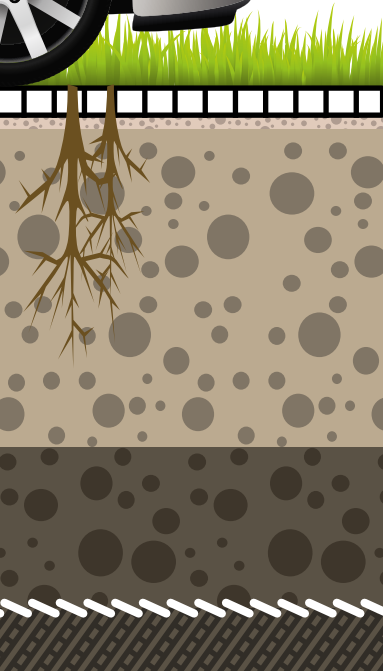
- » Heavy Duty Base Stabilization
- » Permeable Base Stabilization
- » Interlock Driveway Base Support
- » Permeable Interlock Concrete Paving Installation

Questions? Give us a call
☎ + 1-403-877-5883 (Toll Free)

Type:	Dimensions:	Material:	Wall thickness:	Load up to:	Solubility:	Compressive strength:	Weight per piece:	Weight per m ² 10.76 ft ² :
X30 Base Stabilizer	330 x 330 x 30 mm • 12.99 x 12.99 x 1.18"	100% recycled LDPE resin	0.2 in	23 t/ft ² (unfilled) 75 t/ft ² (filled)	resistant to acids, alkalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain, etc.)	up to 20t point axle load (DIN 1072)	0,77 kg • 1.7 lbs	6,93 kg • 15.3 lbs



Example: car park



- ◀ **ECORASTER® GREEN**
- ◀ **Levelling layer**
(eg FERTILIT®) 4 cm [1.52 in]

Install ECORASTER® GREEN

Levelling layer

Apply a high mixture of quartz sand, humus and long-time fertilizer than compact it to 3 cm with a roll Irrigate compacted surface before installing Green®

- ◀ **Fertile intermediate layer**
min 20 cm [7.87 in] fertile substructure

Intermediate layer

Mixture from 30 – 35 % of humus and 65 – 70 % gravel (5/32 mm or similiary) height approx. 20 cm

- ◀ **Drainage layer**
broken stone (eg 30/60 – 10 [3.39 in] to 40 cm [15.74 in] the hight is depending on local region

Drainage layer

Put on broken stone / gravel grain size 5/32 mm or 5/46 mm or 8/16 mm and compact

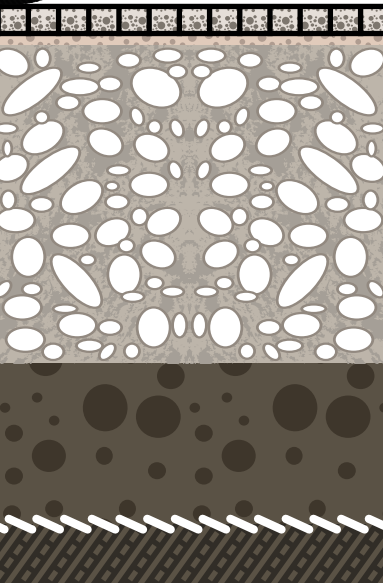
- ◀ **Anti-contaminant geotextile**
- ◀ **Foundation**

Natural soil

Create an approx. 1 – 1,5 % gradient in the ground



Example: car park with chippings ECORASTER® MINERAL



- ◀ **ECORASTER® MINERAL**
- ◀ **Base Layer**
3 cm [1.18 in] compacted filling material

Fill in the ECORASTER

Gravel/sand/chippings: Fill in the grids with appropriate material

- ◀ **Draining layer**
20 cm [7.87 in] compacted draining gravel

Levelling course

Put on a layer of 2/5 mm chippings (height approx. 2 cm) and level off roughly

Drainage layer

Put on broken stone grain size 5/32 mm or similiary and compact (roller or plate vibrator)
Total height of broken stone for cars: approx. 25 cm
Total height of broken stone for trucks: approx. 45 cm

- ◀ **Substructure** 10 [3.93 in] to 40 cm [15.74 in] draining gravel




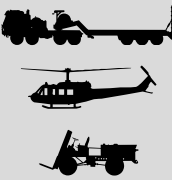
Natural soil

Create an approx. 1 - 1,5 % gradient in the ground

- ◀ **Anti-contaminant geotextile**
- ◀ **Foundation**

Specifications

Sustainable and cost-saving

ECORASTER® Application		GREEN / MICROGREEN	MINERAL	Bloxx
		vegetated	gravel filled	paved
Load	 Roads and paths used only for pedestrians and bicycles may use this	E40 alternative: S50	E40 alternative: S50	✓
	 Paths, walkways and similar applications, as well as car parking	E40 alternative: E50 or S50	E40 alternative: E50	✓
	 Roads, road shoulders and parking lots used for all types of vehicles	E50	E50* alternative: ECORASTER® STONE	✓
	 Areas used with high point axle loading e.g. warehousing (forklifts and trucks), truck parking lots, bus parking, helicopter landing pads.	---	E50* alternative: ECORASTER® STONE	✓
Installed and unfilled, the ECORASTER® system can be driven on with heavy wheeled vehicles (EN 124 / D400 except Bloxx).				

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III ECORASTER®



*with 3/8" - 3/4" inches covering-over

Certificates and Approvals

- ✓ UV-resistant, certified DIN EN 60068-2-5
- ✓ Point axle loading up to 20 t/m², DIN 1072:1985
- ✓ Heavy-duty, tried and tested DIN EN 124:2011
- ✓ Environmentally safe, tested OECD 202:2004
- ✓ Factory warranty: 20 years from purchase date (private use)
- ✓ NATO certified E50 - MOD / 9330-99-858-1406
- ✓ TÜV CERT
- ✓ TÜV Nord „Made in Germany“



Accessories

PURUS offer accessories for ECORASTER® ground reinforcement systems, including hinge and curve adaptors as well as parking markers.

Please note:

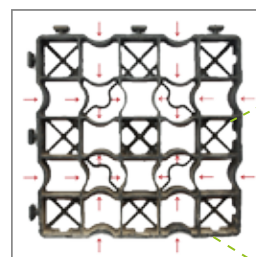
Please read the manual/
check our website for more information!
1m² = 10.764 ft²

Safety interlocking system



Effective safety snap connections are quick and easy to install.

Deploy without expansion joints



Not affected by temperature variations due to the integral expansion elements.

Installed and unfilled, the ECORASTER® system can be driven on with heavy wheeled vehicles (class D 400, excl. Bloxx)

Price Guide

Contractor and retail pricing

	E30 13"x13"x1"	X30 13"x13"x1"	E40 13"x13"x1.5"	E50 13"x13"x2"	BLOXX 13"x13"x2"
Square Feet Per Pallet	1019	1019	789	617	617

Irrigate surface before installing ECORASTER®! Fleece from geotextiles reliably prevents of mixing up the ground construction layers with the soil.

Only limited suitable for areas which are mainly used by trucks / heavy load.

Tip

For quick and clean cutting to size, a circular saw has proved most effective in practice. For smaller corners which must be cut exactly to size, we recommend that you use a compass saw or strong pruning shears. Do not cut the grids in advance. If possible, lay them over the border and then cut them. Use a small base (slat / board / ECORASTER® tile) to make it easier to cut.

Accessories

- **Parking space markers**
A variety of block colours are available to signify edge details or bay markings
- **Slope angles**
Universal Slope angle adjustable up to 90° used with connecting grids
- **Block sealants for a permeable UV stable surface**
- **Geotextiles**

Care instructions

ECORASTER BLOXX should be cleaned regularly to ensure gaps are debris free



Developing sustainable solutions for
a permeable ground reinforcement.



German engineering – **Made in Canada.**
Questions? Please give us a call:

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