

Permeable Ground Reinforcement Installation Advice ECORASTER®

Disclaimer The explanations in this document, particularly application and usage recommendations of our products, are based on our experience and knowledge under normal conditions, and assume that the products have been stored and used appropriately. Due to differences in subsoils and local conditions Purus cannot warranty an installation based on verbal instructions or the guidelines printed in this manual. Local experts should be consulted. Terms and conditions apply. Subject to change without notice.

Thanks for going permeable.

The consequences of global use of land surface are noticeable and emphasize the urgent need for permeable ground reinforcement solutions.

Since the year 2000, in Germany alone 100 hectares of land are sealed every day by construction and roadbuilding. Worldwide it is even worse.

PURUS PLASTICS operates one of the most modern plastics recycling facilities in the world. Our goal: Manufaturing truly sustainable products.

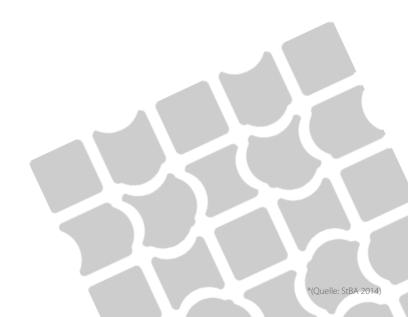
ECORASTER® products have been developed and produced in Germany from 100% recycled materials (LDPE) since 1994.

ECORASTER® is absolutely 100% environmentally friendly, time proven with millions of square meters sold, versatile and excellent value.

With the right choice of grid types and well-designed accessories, this system is suitable for almost every type of application.

Choosing our quality product helps to save precious resources and reduces the environmental impact of waste plastics. Your benefits: You will save money and time during installation, on maintenance and usage.

Your PURUS PLASTICS Team









Installation Manual **ECORASTER®**

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CIVIL ENGINEERING | ROAD CONSTRUCTION | MUNICIPAL CONSTRUCTION | LANDSCAPE GARDENING | MILITARY | SPECIAL CIVIL ENGINEERING | PRIVATE AND PUBLIC SPACE

Why ECORASTER®?

Particularly in metropolitan and industrial areas, because the ground is paved or compacted it is less able to fulfill its natural functions. On one hand the ground loses the natural ability to store or "buffer" rain water which can lead to very quickly over-burdening storm water infrastructure leading to flooding, and on the other hand the air cannot be cooled and humidified by the natural ground "perspiring", contributing to the well-known "Heat Island Effect".

To counteract this trend and to help to prevent the negative effects of traditional sealed paving, more and more municipalities, architects and civil engineers are designing permeable and vegetated paving systems - a wise and affordable investment.

Using the ECORASTER[®] system, in comparison to sealed surfaces, saves costly storm water retention ponds and other drainage and infrastructure systems. Often storm water taxes can also be saved and grants may be available to help implement alternative paving options such as the ECORASTER[®] system. ECORASTER[®] installation is quick and simple without the use of expensive mechanical equipment. The paved area is filled with gravel or vegetated and remains permeable.

Compared with heavy ioncrete pavers ECORASTER[®] is easy and economical to transport and has ultra-high load bearing capacity (up to 800 t / m^2). The 95% open surface is significantly more permeable and allows a much higher degree of infiltration. In contrast to the concrete pavers ECORASTER[®] does not absorb water, which prevents frost damage and increases the infiltration capacity.

The proven safety interlocking system and the integral expansion joints create excellent surface weight distribution and resistance to dynamic loading , no matter what kind of application the system is be used for.

Benefits at a glance

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



Matrix of Application

ECORASTER® Application		GREEN / MICROGREEN	MINERAL	Bloxx	
		vegetated	gravel filled	paved	
	Å ;	Roads and paths used only for pedestrians and bicycles may use this	E40 alternative: S50	E40 alternative: S50	\checkmark
		Paths, walkways and similar applications, as well as car parking	E40 alternative: E50 or S50	E40 alternative: E50	\checkmark
Load		Roads, road shoulders and parking lots used for all types of vehicles	E50	E50* alternative: ECORASTER® STONE	\checkmark
		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).

*with 1-2cm covering-over



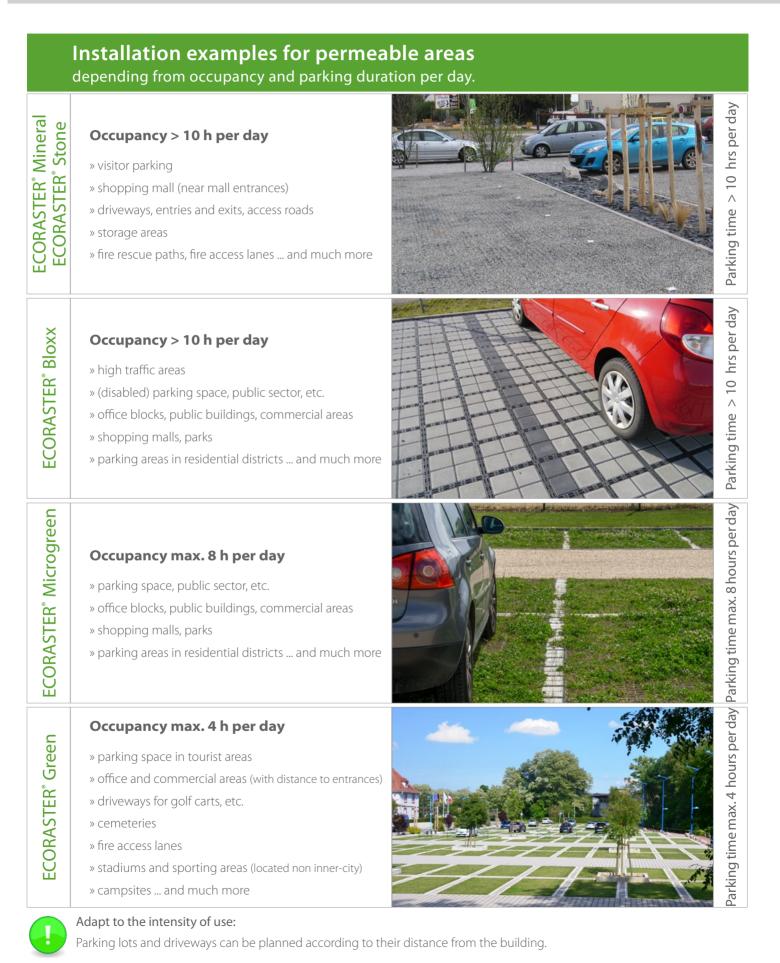
NOTE: -Please note the installation instructions on our website! Subject to change without prior notice. E. & O.E. -The listed detals are nominal dimensions and subject to a certain tolerance due to material changes

Certifications

- **W** UV-resistant DIN EN 60068-2-5
- ✓ 20 Tons per axle, according to DIN 1072:1985
- W High loading, according to DIN EN 124:2011
- V Environmentally neutral, OECD 202:2004
- **V** Factory warranty: 20 years from purchase
- ✓ NATO certified
- **⋘** TÜV Certified
- ♂ TÜV Nord "Made in Germany"



Occupancy and parking duration





Specifications

Туре:	ECORASTER® E50	ECORASTER® S50	ECORASTER® E40	
Dimensions	33 x 33 x 5 cm	33 x 33 x 5 cm	33 x 33 x 4 cm	
Material:		recycled Polyethylene (LDPE)		
Depth:	5 cm	5 cm	4 cm	
Wall thickness	5 mm	2,5 mm	3,6 mm	
Loadability:	up to 800 t/m ² (depending on fill type)			
Safety locking system:	36 notched connectors per m ²			
Dimensional stability:	-50° / 90 ° C			
Thermal expansion:	0.5% (at normal temperature +68°F to 176°F)			
Water absorbtion:	0.01%			
Chemical resistance	resistant to acids, alkalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain, etc.)			
Loadability:	up to 20t point axle load (DIN 1072)			
Area per pallet:	57,33 m ²	57,33 m ²	73,33 m ²	
Weight per piece.:	0,98 kg	0,74 kg	0,63 kg	
weight per m ² :	8,79 kg	6,66 kg	5,67 kg	



ECORASTER® Bloxx
33 cm x 33 cm x 5 cm
approx 85kg (incl pavers)
36 notched connectors/m ²
-50° / 90 ° C
14 x 14 x 4,5 cm (pieces)
approx. 2,12 kg
grey, white, red, dark grey
rubber inserts available

ECORASTER® Bloxx is inter alia protected by German Utility Model 201014106285, Polish Utility ModelW.124709; US-Patent 10094073, European Patent Application 3237682 and further applications outside of Europe.



Check the water permeability

What are the criteria for infiltration?

The infiltration rate of the ground affects the feasibility of a construction project involving water-permeable surfaces. It is indicated by the coefficient of permeability K (m/s). To be considered for such a project, the infiltration rate of the ground must be tested. Geotechnical surveys are required for certain surfaces to be reinforced or for heterogeneous ground.

K > 10 ⁻⁴ m/s	10⁻⁴ > K > 10⁻⁵ m/s	10-⁵ > K > 10-³ m/s
stony / sandy soil	sandy / clay soil	clay / loam
quick infiltration	average infiltration	slow infiltration
		safety drainage

A possible test method to establish infiltration capability

For this quick test dig out a circular area with 40 cm diameter and 40 cm depth. Fill 10 liters of water and measure the time it takes the water to fully infiltrate into the soil. Repeat this process until the same approximate time is measured three times in a row. The test should be done in the natural soil to not distort the results.

Evaluation of test results (in minutes):

time of infiltration ≤ 2	$2 < time of infiltration \le 20$	infiltration > 20	
QUICK	AVERAGE	SLOW	

Determination of requirements: Sand, gravel etc.

Before determining your requirements of gravel, loose gravel etc., please determine the height of your area. For larger areas we recommend using leveling instruments or laser technology.

To calculate the material required to fill up the ECORASTER® elements please use the following formula:

0.95 x area x height of ECORASTER®

Installation without substructure?

Thanks to the interlocking system and the excellent area load balancing ECORASTER® can be installed without substructure. If you do not use a substructure (water-storing bed) area drainage is not ensured. Additionally soil variations can effect surface irregularities and cause different loadabilities.

If you plan to install without substructure please contact us, we eager to help you.

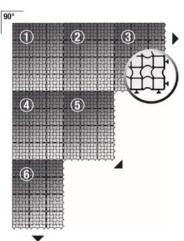
Please keep in mind!

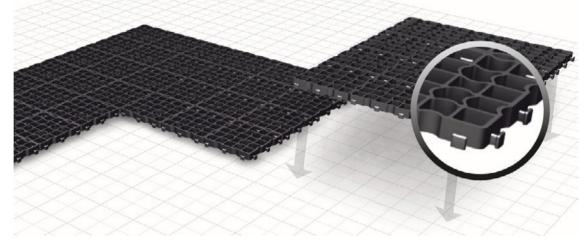
- » ECORASTER® should be installed with a vibrating plate tamper after installation (Bloxx with rubber mat).
- » For the final height of the substructure please note, that ECORASTER® settles into base layer approx. 0.5cm
- » After filling ECORASTER[®] a slight settling is possible. For Bloxx use a geotextile (mesh) to avoid mixing gravel and floor.
- » In hot conditions please fill the ECORASTER® elements immediately after correct installation.
- » For areas mainly used by heavy trucks and forklifts (small turning radius), we recommend using ECORASTER® E50 with
- 1 2 cm over fill, e.g. with loose gravel. Alternatively ECORASTER® E50 Stone (resin-bound) can be installed.



Installing the pre-assembled layers

ECORASTER[®] can be installed quickly and easily without heavy construction equipment. The elements are delivered in "layers". One layer is equal to 1.33 m² and consists of 12 single ECORASTER[®] pieces (4x3). Large areas can be installed in a single operation directly from the pallet as the weight of a layer is low and the interlocking works quickly and easily.





Installing

Installation of the grid should be started in a corner of the area to be covered. The connecting pins of the first layer must point outwards to the direction of installation . The subsequent layers are then joined flush with the connecting pins of the area already layed down and stepped into place. In order to achieve a straight line, we recommend laying the ECORASTER[®] along a tensioned line.

Disassembling

The factory assembled grid layers sheets can be separated if necessary. Place the layer to be separated onto a second layer and step down firmly to disengage the safety interlocking system.

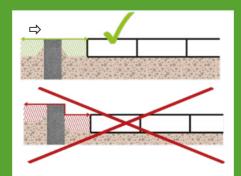
Cutting and fitting

For a quick and clean cutting and fitting the following tools have proven themselves in practice:

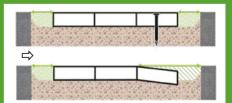
- » Circular Saw
- » Edge cutter
- » Jigsaw
- » Reciprocating saw



At least 1-2" must of gap be kept between the Ecoraster and any border or edge.



The ECORASTER® grid should be installed flush with the surface of the edge.

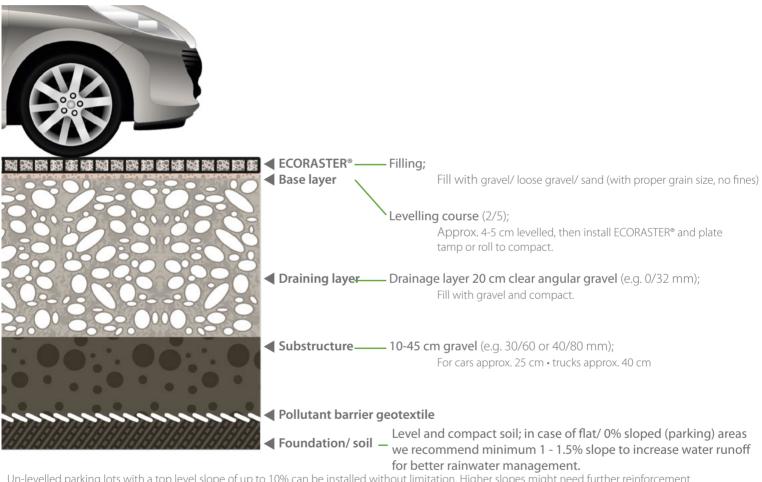


In order to avoid edges lifting due to braking forces , the ECO-RASTER® can be anchored with ground spikes. Alternatively, you can also sink the system as in illustration. *

Example: Parking with ECORASTER® MINERAL

Filling: Gravel

Areas, which can not be greened because of the heavy use or their insufficient location, can be filled with loose gravel. These areas are also considered to be fully permeable! Due to the high loadability this type of filling is highly recommended for heavy duty areas such as parking or warehouse/ logistic areas.



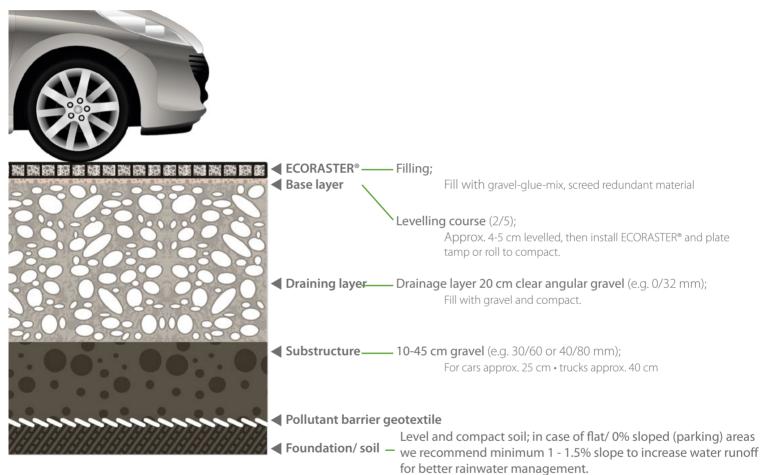
Un-levelled parking lots with a top level slope of up to 10% can be installed without limitation. Higher slopes might need further reinforcement (e.g. ground nails). Please note: This is not the maximum slope for installation! ECORASTER® can be placed in highly sloped areas.



Example: Parking with ECORASTER® STONE

Filling: Hard-surfaced gravel

Heavy used areas, which shall be fully permeable and free of loose gravel can be installed with our "stone" system. In a special procedure two eco-friendly components are mixed together and get blended with the gravel filling (resin-bound). The results are sturdy and tough surfaces, with a high percolation rate (one liter per m² per second).



Un-levelled parking lots with a top level slope of up to 10% can be installed without limitation. Higher slopes might need further reinforcement (e.g. ground nails). Please note: This is not the maximum slope for installation! ECORASTER® can be placed in highly sloped areas.

Please note:

Considering the required technology and skills for this type of filling and the limited processing time, this system is best installed by professionals.

Please take advantage of our highly qualified customer service and consulting department to achieve the best possible results.

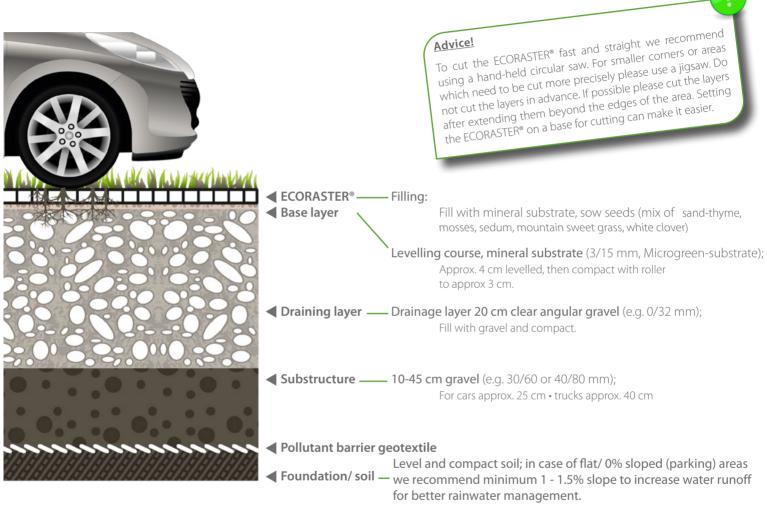
Important: This system is not loadable until full setting.



Example: Parking with **ECORASTER® MICROGREEN**

Filling: Substrate + seeds

After installing the ECORASTER® the area is filled with MICROGREEN, a compound of a highly durable substrate mixture and hardy herbage, sedum and moss plants. This type of filling is unique due to its high resilience and its low need for maintenance.



Un-levelled parking lots with a top level slope of up to 10% can be installed without limitation. Higher slopes might need further reinforcement (e.g. ground nails). Please note: This is not the maximum slope for installation! ECORASTER® can be placed in highly sloped areas.

Please note:

• This system is only suitable to a limited extent, when mainly used by heavy trucks.

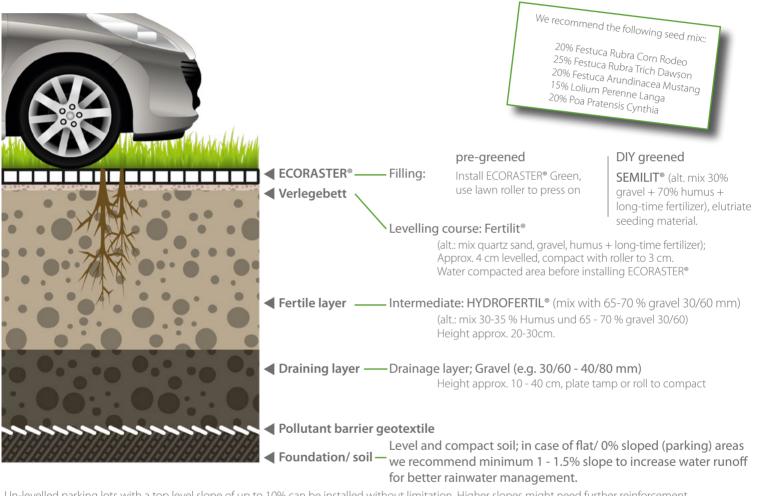
• Seeds need to be stored in a dry and dark place until sowing.

• Areas do not need mowing, fertilization or watering.



Filling: Lawns, pre-greened or DIY greened

Installing the pre-greened ECORASTER[®] bleak and earthy soil turns into a grass field within a couple of hours. The immediate green result enables a swift acceptance of construction work. The surface is reinforced, drivable and permeable. Of course the ECORASTER® can be filled and greened as a DIY project.



Un-levelled parking lots with a top level slope of up to 10% can be installed without limitation. Higher slopes might need further reinforcement (e.g. ground nails). Please note: This is not the maximum slope for installation! ECORASTER® can be placed in highly sloped areas.

Please note:

• This system is of limited suitabilty for areas mainly used by heavy trucks.

• Green areas need maintenance (fertilization, watering and lawn care).

• In case of DIY greening please check if the location meets the demands of your seeding materials.

• Daily occupancy and the time of parking will affect the result of the greening.





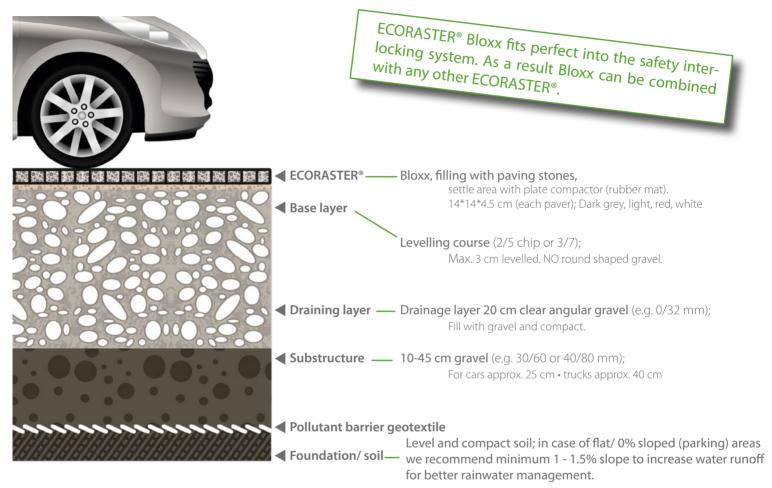
Keep the soil level just below the top of the ECORASTER® to protect the germinating seeds and ensure a durable parking/driving surface.

Example: Parking lot with ECORASTER® Bloxx

Filling: Paving stones

The new ECORASTER® Bloxx system allows quick ground reinforcement with modern paver design in a fully permeable manner. This system is perfect for parking, concrete replacement, accessible areas, driveways and paths. Look closely at the integrated drain: This innovative system prevents clogging. Grouting the joints? Not needed!

Feel free to combine Bloxx with the other ECORASTER® elements to include greened accents into your permeable area.



Un-levelled parking lots with a top level slope of up to 10% can be installed without limitation. Higher slopes might need further reinforcement (e.g. ground nails). Please note: This is not the maximum slope for installation! ECORASTER® can be placed in highly sloped areas.



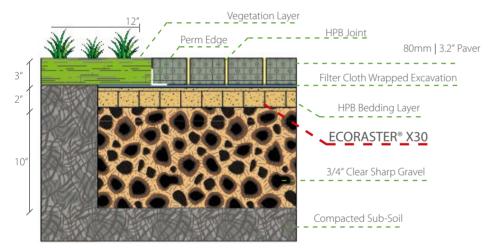
ECORASTER[®] X30 | Hardscape Base Stabilizer

Safe money and time on your substructure. The ECORASTER® X30 is heavy duty linking grid system that allow you to build stronger hardscapes by stabilizing the base material.

Your Benefits:

- » 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:



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

Ertu með spurningu? Hringdu:

Туре:	Dimensions:	Material:	Wall thickness:	Solubility:	Compressive strength:	Weight/piece:	Weight/m²:
X30 Base Stabilizer	33 x 33 x 3 cm	100% recycled Polyethylene (LDPE)		resistant to acids, alkalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain, etc.)		0,77 kg	6,93 kg







Special Application

Fire Access

So help won't stuck!

Fire-fighting operations are often hindered by the poor quality or lack of access lanes and parking and turning areas.

The reason for this is the development of organic material (humus). Mud filled tire treads and getting stuck in the mud can delay lifesaving access to the site in an emergency situation. Muddy, unstable and uneven ground will compromise the quick extinguishing of fire and other life saving measures.

The requirements:

Access roads, parking and turning surfaces have to meet the minimum standards of the Road Building Class 12 (Guidelines for standardizing vehicular trac surfaces- RStO).

Our Test Run Result:

Our pictures (bottom right) show a modern German fire truck, weighing 16 tons fully equipped. Even though the truck has a fully adjustable 4WD and semi-offroad tires, it got stuck in normal grassland after driving only five meters. Heavy equipment was needed to get it back on track. The grass was unstructured and the area was under dry conditions.

The Solution:

The ECORASTER[®] system reinforces or "paves" the ground surface without sealing it. This means that even with high surface loads (up to 800 t / m^2 , depending on the filling type) the rainwater/ firefighting water can easily infiltrate into the ground, usually without additional complex drainage elements.

This also means that in some cases (depending on local legislation) there is no stormwater tax dependent on sealed surface area. The ECORASTER[®] system can be installed with different fill materials and it allows total design freedom for landscaping.

ECORASTER® E50 ensures safe access and parking/ turning of emergency vehicles.







Section from "Fire access surfaces" (TBB/ DIN 14090)				
Aceees rd.	with:	 minimum 3 m (straight entrances) minimum 3.5 m (entrances bordered with structures, where both side ≥ 12 m) 		
Acee	tonnage:	total allowed weight minimum 16 t, minimum 10 t per axle		
Hard- standing	dimensions:	minimum 5 m x 11 m*		
	tonnage:	minimum 800 kN per m ²		
Turning area	dimensions:	 i.e. vehicle minimum 7 m x 12 m, plus extensions (4 m) front and rear of turning areas 		
Turni	tonnage:	minimum 16 t, minimum 10 t per axle		

>>> Please note:

Please follow the instructions and guidelines on our website/ installation manual. The local code must be followed.

Installation on slopes



With over 200 expansion joints per square meter and 36 notched interlocking connectors per square meter the ECORASTER[®] counters the forces which are impacting the embankment. Erosion of the solum, soil destruction e.g. by rainwater made channels, line-shaped erosion and nutrient washout can be prevented by a proper installation of the ECORASTER[®] system.

Local engineering should can be consulted to address specific soil conditions.

The system's components (ECORASTER® S50, universal hinge, ribbed ground nails) should be adapted to the requirements and the proper dimensions (e.g. ground nail size) and the interval between the nails (e.g. one per m²) should be advised by the architect/ engineer.

To achieve the best result for this application following actions might to be taken before the ECORASTER[®] installation, depending on the initial conditions and soil conditions:

- Removal of loose rocks and non suitable soil material
- Clearing, removal of vegetation
- Fill up channels and draws
- Levelling/ profiling

Depending on the requirements, a sufficient measured substructure (as a base course/ levelling course) should be placed on the prepared slope. The installed ECORASTER® is filled to the top edge with suitable topsoil or a mixture of sand with soil, humus and e.g. substrate, which contains starting fertilizer for the greening. Substructure and filling material shall contain a small amount of fine material, to ensure a certain water reservoir capacity for the greening and to ensure water permeability.

Installation profile, ECORASTER® on slopes:



Please note:

 \cdot For a swift greening we recommend a standard mix of herbs or lawns with an application of minimum 20 g/m².

• Depending on the location vegetation types might vary. Please check the habitat requirements of your seeds. Preferable time for sowing is springtime.

• The bigger and better the area of ECORASTER® is covered/ vegetated the better the filling is protected against weather effects. Growing root penetration increases the interlocking with the substructure and effects the results of the ground/ embankment reinforcement.



Perfect fitting extensions | Softground



» Geotextiles/ Landscape fabric

Matching your project we are offering the required textiles.



» Hinge & Groundnails

Depending on the slope, the application and the tensile forces impacting the hillside/ embankment hinges and/or ECORASTER® A50 with ground nails are recommended.

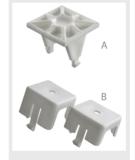
The ECORASTER® area will be interlocked with the slope and the tensile forces will be reduced effectively.

The hinge can be adjusted 90° both ways.



» Curve-Element

The flexible connector for laying curves, radii and circles, e.g. for changes in direction when reinforcing soft road shoulders. Specially developed for the ECORASTER[®] system, it inserts seamlessly into the surface.



» Parking lot markers

Markers are inserted into the ECORASTER[®] and fixed in place with locking elements.

Two types of markers are available. For areas with snow-plowing service we recommend type B, as type A is raised.



360° View plus animation online:

Have a closer look : All ECORASTER® elements and accessories in 360° HD with animation on www.ecoraster.com.



» <u>Bloxx rubber inserts</u>

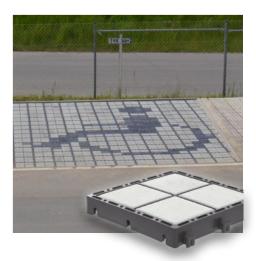
The tough and non-slip rubber material fits directly into the ECORASTER® Bloxx tiles. Used instead of the concrete elements, this solution is also suitable for terraces, trade fairs, horseboxes and many other applications.

The substructure similar to Bloxx.

Accessible areas, accessibility

If you want to install accessible areas you can chose from different ECORASTER® types/ fillings.

Just give us a call... We are eager to help you!



I ECORASTER

Review



For more than 20 years, Purus Plastics has manufactured ECORASTER® permeable ground reinforcement system, made of 100% recycled materials (LDPE). Our very first installation of ECORASTER E50 "Classic" was installed over 20 years ago at a busy waste collection depot. This specific installation is found in a cold climate and the grid has been subjected to the constant freeze-thaw cycle as well as constant snow plowing.

Even with constant use by heavy trucks and repetitive loading and unloading, the area remains level, stable and in very good condition.

The area has been allowed to naturally vegetate.



Our Promise of Quality



PURUS PLASTICS constantly monitors the quality of the self-generated raw materials and the in-house produced products, to guarantee what we promise: "Quality, made in Germany!"

As a technology leader we will not stop improving, in order to relieve future generations and to save valuable resources.

Manufacturing our ECORASTER[®] system for more than 20 years and its installation worldwide has proven that our system is durable, loadable and sustainable. As a founding member of the European quality network for "products made out of recycled materials" we want to ensure that best quality, best value and the highest environmental compatibility is ensured.



Frequently Asekd Questions

Can I drive on ECORASTER®?	Yes you can! ECORASTER® is durable. Depending on the substructure and filling, the loadabilty can exceed 800 metric tons per m ² (TÜV approved). Even right after installation, the empty elements (excl. Bloxx) are sturdy enough in empty conditions to drive on. This simplifies filling the area. See page 6 for more details.
Can I clear snow on ECORASTER® areas?	Yes you can! ECORASTER® withstands de-icing salt, brooms, snow plows, brush rollers. Defrost water will switfly drain through the permeable surface, reducing the danger of ice. Please contact us for specific guidelines.
Is an ECORASTER [®] area considered "permeable"?	More than 95% of the ECORASTER® surface is permeable/ open, so surface water cannot accumulate. Local authorities may declare "permeabillity" in order to save taxes or fees.
Can I install ECORASTER [®] w/o substructure?	Yes you can! In some circumstances there may be limitations to the performance of the ECORASTER® system. Thanks to the interlocking system and the excellent load distribution ECORASTER® can be ins talled without substructure. If you do not use a substructure (stormwater buffer) area drainage cannot be ensured. Additionally soil changes can effect surface irregularities and cause different loadabilities. If you plan to install without substructure, please contact us, we are eager to help you.
Are plastic reinforcement tiles less durable?	Not if you focus on quality! Our ECORASTER® come with a 20 year warranty and the best possible value. As both the raw material pro ducer and the product manufacturer we can ensure a consistently high quality. Promise! Our system is made of 100% recycled LDPE (also recycable), heavy-duty, weatherproof and UV-resistant.
Do I have to install an edging?	No! The structure of the ECORASTER® tiles incorporates integral expansions joints which make an edging unnecessary. We suggest leaving a 5cm/2 inches space between the ECORASTER and the fixed border which also acts as an expansion joint.
Is ECORASTER [®] eco-friendly?	PURUS PLASTICS operates one of the worlds most modern plastics recycling facility. Our products are eco-neutral and are engineered/ produced in Germany. We focus on a high input of recycled materials and the that our products remain recycable.

Basic information | Safety notes • Allgemeine Hinweise | Sicherheitshinweise

Dear customer,

Thank you for choosing the original ECORASTER[®]. You made your choice for a premium class product that combines high performance and eco-friendliness. Our products are subject to our constant quality checks to match highest requirements. We want you to have to best possible and most enduring benefit from ECORASTER[®] and appreciate that you take notice of the following information.

Thank you for your choice, PURUS PLATICS GmbH Germany.

Important information. Read carefully and keep for further reference.

• Please read the manual before handling ECORASTER®. For questions please contact your dealer/ sales representative.

• Please make sure that you always wear appropriate protective wear during handling (cutting, laying and filling) with ECORASTER® (safety goggles, gloves, ear and breathing protection, safety shoes and hardhat) and mind your environment and third parties. Do not breathe dust from cutting.

• ECORASTER® is inapplicable to bridge terrain indentations (e.g. holes, ditches and troughs).

- ECORASTER® is only extendable with original accessories.
- Do not combine ECORASTER® with third-party products.
- Make sure that substructure is level and sufficiently dimensioned.
- Make sure that all ECORASTER® are locked proper before filling.

• Please dispose no longer required ECORASTER® according to your local waste regulations.

WARNING

- Surface might be slippery when wet and icy
- Inappropriate handling (e.g. wrong transport or wrong storage) might cause (personal) damage.

• Broken or incorrect placed ECORASTER® might cause (personal) damage and influence the functionality. Beware of sharp edges.

• ECORASTER® is flammable. Don't breathe fumes of burning elements.

Sehr geehrte Kundin, sehr geehrter Kunde,

mit unserem original ECORASTER® haben Sie sich für ein erstklassiges Produkt entschieden, dass Umweltfreundlichkeit und hohe Leistungsfähigkeit kombiniert. Unsere Produkte unterliegen ständigen Qualitätskontrollen, um unseren Anforderungen zu entsprechen. Wir möchten, dass Sie lange Nutzen und Freude an Ihrem ECORASTER® haben und bitten Sie daher einige Hinweise zu beachten.

Vielen Dank für Ihre Wahl, PURUS PLASTICS GmbH Deutschland.

Wichtige Information. Sorgfältig lesen. Diese Information aufbewahren.

• Bitte lesen Sie vor der Verarbeitung der ECORASTER® die

Anleitung. Für Fragen steht Ihnen Ihr Händler gern zur Verfügung.

• Bitte tragen Sie bei der Verarbeitung (dem Zuschneiden, der Verlegung sowie dem Verfüllen) angemessene Schutzbekleidung (Sicherheitsschuhe, Schutzbrille, Handschuhe, Mundschutz, Gehörschutz, Kopfschutz) und achten Sie auf Ihre Umwelt und Dritte. Abrieb, z.B. durch Zerspanen, bitte nicht einatmen.

- ECORASTER[®] eignet sich nicht zum Überbrücken von Geländevertiefungen (z.B. Gräben, Löcher, Mulden)
- ECORASTER[®] kann nur mit originalem Zubehör erweitert werden. ECORASTER[®] ist nicht mit fremden Produkten kombinierbar.
- Der Unterbau muss vor dem Verlegen eben und ausreichend dimensioniert sein.
- Bitte prüfen Sie vor dem Verfüllen der ECORASTER® auf einwandfreie Verhakung der Elemente.
- Bitte entsorgen Sie nicht benötigte ECORASTER® gemäß den national geltenden Abfallbestimmungen.

ACHTUNG

Oberfläche kann durch Eis und Nässe glatt sein.

- Unsachgemäße Handhabung (z.B. falscher Transport oder fehlerhafte Lagerung) kann zu (Personen-) Schäden führen.
- Beschädigte oder unsachgemäß verlegte ECORASTER® können (Personen-) Schäden verursachen und die Funktion des Bodengitters beeinträchtigen. Achtung vor scharfen Kannten.
- ECORASTER[®] sind brennbar. Die Dämpfe brennender Kunststoffgitter nicht einatmen.

Safety signs in accordance to ANSI Z535



Developing sustainable solutions for a permeable ground reinforcement.



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VERLAUSNIR

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20 year Warranty ^{M ECORASTER[.]}

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