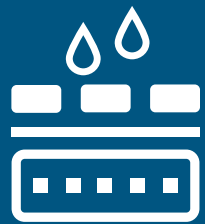


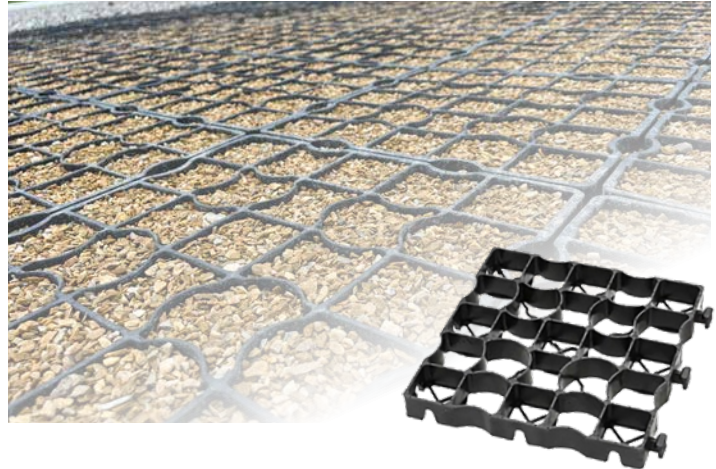
ECORASTER[®]
E40

PERMEABLE PAVING SURFACE



THE OPTIMAL ALL-AROUND GROUND-REINFORCEMENT SYSTEM

FOR ALL HARDSCAPE AND LANDSCAPE NEEDS



RAPID INSTALLATION

E40 pieces come preassembled in approximately 14 ft² panels. Simply lay, cut and fill. One person can install up to 1,500 ft²/hr without heavy construction equipment.

LOW MAINTENANCE

Individual infill compartments minimize rutting and depressions, a typical challenge with unpaved surfaces. Little to no maintenance or edging is necessary.

UNMATCHED RESISTANCE

The 100% recycled LDPE grids handle tough conditions and fluctuating temperatures from -30°F to 194°F. Additionally, they are UV resistant and hold up against deicing salt, gasoline and more.

DURABLE AND DRIVABLE

With up to 21,740 psi of load support, E40 grids create a fully drivable, fully drivable and snow-plowable surface that is DOT-approved in multiple states. The load rating exceeds HS20 and HL93-vehicular live load modeling.

DESIGN FLEXIBILITY

The E40 panel's 2" height allows it to be combined with Ecoraster Bloxx units to form unique designs and project layouts.

VERIFIED PERFORMANCE

ASTM C39-21 – Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens. Testing was performed on filled and unfilled grid systems to evaluate load transfer under typical installation conditions.

TRUSTED GLOBALLY FOR 30+ YEARS

Used and approved US Army Corps of Engineers, FEMA and NATO.

MANUFACTURER 20-YEAR WARRANTY

Ecoraster stands behind their US-made products.

ADA ACCESSIBLE

Ecoraster systems can support ADA-accessible parking when surface transitions are less than a 1/2" and infill aggregate is a 1/2" or smaller. ADA compliance is determined by site design and installation, not by individual product certification. Final compliance with ADA requirements and local regulations is the responsibility of the facility owner.



DESIGN GUIDANCE

BASE REQUIREMENTS UNDER ECORASTER PRODUCTS

This design guidance can be used as a starting point when using Ecoraster products. The information provided below indicates the suggested minimum base requirements. Projects with weaker soils like CL down to PT should consult a qualified engineer for specific guidance. These base depths are for structural strength only and are not intended to meet any stormwater detention requirements.

ECORASTER E40

VEHICLE TYPE/LOAD	CBR 2 - 4	CBR 4 - 6	CBR > 6
Heavy Truck < 90,000 lbs	8	6	4
Medium Truck < 60,000 lbs	6	4	4
Light Truck < 40,000 lbs	4	2	2
Car, Pickup < 8,000 lbs	2	2	0
Cart Path, Trail < 1,000 lbs	2	0	0

Normal Traffic:

Occasional Use:

- All depths are in inches
- CBR = California Bearing Ratio
- For CBR < 2, contact Purus NA Ecoraster, Inc. for recommendations
- These depths are suggestions only and all designs should be approved by a qualified engineer
- All depths are for uniformly graded angular gravel, per AASHTO guidelines

Stone filled E40



E-40 Permeable Surface vs. Unsupported Surface



DESIGNED FOR VERSATILITY

SUPPORTS LANDSCAPE, RESIDENTIAL AND COMMERCIAL APPLICATIONS

FOOTPRINT	HEIGHT	WALL THICKNESS	MATERIAL	WEIGHT PER PIECE
13" x 13" (per piece) 14 ft ² +/- per preassembled panel	1.6"	0.20"	LDPE 100% Recycled	1.50 lbs
UNFILLED STRENGTH	FILLED STRENGTH	LOAD RATING	RESISTANCE	
380 psi	21,740 psi*	Meets and exceeds HS20 & HL93 Vehicular Live Load model	Resistant to acids, alkalis, alcohol, oil and fuel	

*Results are based on the product filled with sand where compressive strength is equivalent to the maximum load of the test rig divided by the sample size.

APPLICATIONS

- Parking lots
- Boat and RV storage
- Emergency access lanes
- Golf cart path shoulders and aprons
- Paths, trails and walkways (ADA compliant)
- Temporary event parking
- Utility access roads



CONVENIENT PACKAGING FOR DELIVERY

MODEL	E50	E40	E30	BLOXX
Nominal size per piece	13" x 13" x 2"	13" x 13" x 1.6"	13" x 13" x 1.2"	13" x 13" x 2"
Pieces per layer	12	12	12	12
Layers per pallet	43	55	71	43
Pieces per pallet	516	660	852	516
Pallets per truck	26	26	26	26
Coverage per pallet	608 ft ²	778 ft ²	1004 ft ²	608 ft ²
Pieces per pallet	1217 lbs	928 lbs	1137 lbs	902 lbs

Visit us online for more information on these products and our scope of services. [FERGUSONWATERWORKS.COM](https://www.fergusonwaterworks.com)

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