

DESIGNED FOR VERSATILITY

DURABLE TO SUPPORT A WIDE RANGE OF PROJECTS AND ENVIRONMENTAL CONDITIONS

FEATURES AND FACTS

- **MATERIAL:** LDPE 100% Recycled
- **LOAD RATING:** Exceeds HS20, HL93-vehicular live load modeling, and DOT approved in multiple states
- **MAX COMPRESSIVE STRENGTH:** 21,740 psi*
- **TOUGH TESTED:** Approved and used by US Army Corps of Engineers, FEMA, and NATO
- **SUCCESSFUL HISTORY:** Used globally for 30+ years
- **BACKED BY MANUFACTURER:** 20-year warranty

FOOTPRINT	HEIGHT	WALL THICKNESS	MATERIAL	WEIGHT PER PIECE
13" x 13" (per piece) 14 SF +/- 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.

BEST SUITED FOR

Landscape, Residential and Commercial Projects

APPLICATIONS

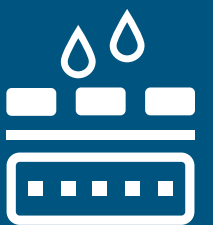
- Parking lots
- Boat and RV storage
- Emergency access lanes
- Golf cart path shoulders and aprons
- Paths, trails and walkways (ADA compliant)
- Temporary event parking
- Utility access roads



FERGUSON
WATERWORKS

ECORASTER®
E40

PERMEABLE PAVING SURFACE
DISTRIBUTED BY FERGUSON WATERWORKS

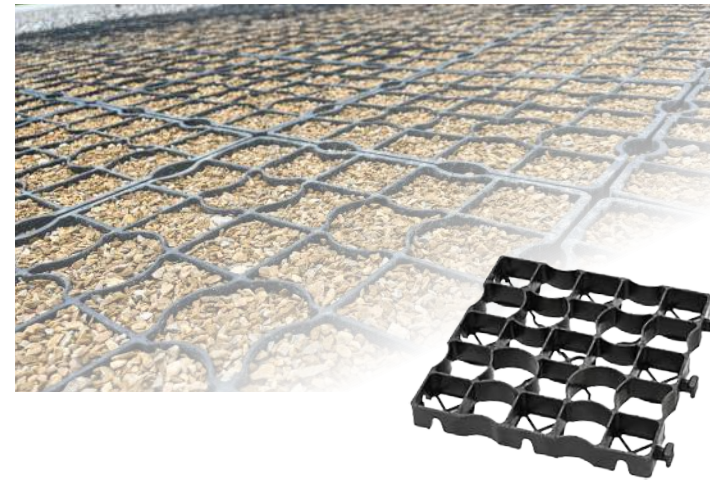


Contact your local sales associate or visit
fergusongss.com to get started.

FERGUSON
WATERWORKS

THE OPTIMAL ALL-AROUND GROUND-REINFORCEMENT SYSTEM

FOR ALL HARDSCAPE AND LANDSCAPE NEEDS



LOW MAINTENANCE

Once installed, E40 permeable ground-reinforcement surfaces require little to no maintenance. They require no edging, and the individual infill compartments minimize rutting and depressions, a typical challenge with unpaved surfaces.

UNMATCHED RESISTANCE

Built to withstand whatever conditions you throw at them, these interlocking grids resist UV damage, deicing salt, gasoline and more.

Low-density polyethylene (LDPE) helps them withstand fluctuating temperatures from -30° to 194°F. This resilience provides low-temperature impact performance, eliminates the need to sand or salt and resists becoming brittle through all weather conditions to prevent breaking.

DURABLE AND DRIVEABLE

With up to 21,740 psi of load support, E40 grids create a fully drivable, fully snow-plowable surface.

RAPID INSTALLATION

E40 pieces come preassembled in approximately 14 SF panels for rapid deployment. A single person can install up to 1,500 SF of pads in one hour without the use of heavy construction equipment.

THREE-STEP PROCESS

1. Lay
2. Cut
3. Fill

DESIGN GUIDANCE

FOR BASE REQUIREMENTS USED 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

