



Ground reinforcement system

ECORASTER[®] E50

Technical Data
Product features

ECORASTER® E50 - The indestructible grid

The perfect solution for heavy-duty construction and landscaping



Weight per sq m 1.95 lbs	Wall height 2 in	Laying time 1000 sq ft/ h
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Technical specifications

Dimensions	13 in x 13 in x 2 in
Wall thickness	0.2 in
Carrying load	Exceeds H20 and HL93 (fill/base dependent)
Weight per sq ft	1.95 lbs
Weight per unit	2.33 lbs
Wall height	2 in
Material	100% recycled LDPE
Pressure resistance	Up to 20 t axle load in acc. with DIN 1072
Dimensional stability	Temperature range -58°F to +194°F
Deformation	0.5% at normal temperatures 68°F to +176°F
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols, oil, diesel, gasoline, (de-icing salt, ammonia, acid rain, etc.)

Delivery units

Packaging unit	1 layer (= 12 pieces = 14.08 sq ft)
Layer per pallet	43
Sq ft per Pallet	605 sq ft
Pieces per pallet	516
Dimensions	41.3 in x 53.1 in x 90.2 in
Weight per pallet	1,232 lbs (incl. pallet)

Certificates

TÜV	Unlimited lifespan
DIN 1072	Carrying load up to 20 t axle load
DIN 38412	Environmentally neutral
DIN 1072	Road and footbridges
DIN EN ISO 124	B125 requirements for coverings on car parking areas

Suitable for

Heavy construction and landscaping

- Parking lots and driveways with snow conditions
- Emergency and fire access lanes
- Outdoor warehousing and logistic areas
- Soft shoulder reinforcement
- Streetcar track fill reinforcement
- Roads
- Oil and mining applications
- Shooting ranges
- Military applications
- Erosion control
- Runway extensions and taxiways
- Helicopter landing pads
- Grass parking pads
- Paddocks, round pens and equine exercisers