



# Ground reinforcement system

## ECOGRID® A50

Technical Data  
Product features

# ECOGRID® A50 - The grid for slopes and high lateral loading applications

The perfect grid solution

Weight per sq m	Wall height	Laying time
9.55 kg	2 in	100 sq m/h

## Technical specifications

Dimensions	330x330x50mm
Wall thickness	7mm
Carrying load	Up to 800 t per sq m (filled)
Weight per sq m	9.55 kg
Weight per unit	1.06 kg
Wall height	50mm
Material	100% recycled PE (polyethylene)
Pressure resistance	Up to 40 t axle load in acc. with DIN 1072
Dimensional stability	Temperature range -50° to +90°
Deformation	0.5% (at normal temperatures +20 to +80 °)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols, oil and petrol (de-icing salt, ammonia, acid rain, etc.)

## Delivery units

Packaging unit	1 layer (= 12 pieces = 1,33 sq m)
Layer per pallet	43
Sq m per Pallet	57,19 sq m
Pieces per pallet	516
Dimensions	41,3 in x 53,1 in x 90,2 in
Weight per pallet	560 kg (incl. Pallet)



## Certificates

TÜV	unlimited lifespan
DIN 1072	Carrying load up to 40 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 High lateral loading and landscaping

Gardening and landscaping  
Pond and riverbank reinforcement  
Stabilisation of slopes and embankments  
Erosion protection

The ECOGRID A50 is the grid to choose for laying on sloped surfaces. With steep slopes in particular, the system must be additionally secured to the substructure using ground anchor spikes. Specially developed indents in the honeycomb grids allow for effortless fixation without protruding spikes.

The ECOGRID A50 has also been tested in scenarios where additional lateral loading capacity is required. Ground spikes are used to firmly secure the grids to the sub-base. For Lorries turning, we would advise 4 spikes per square metre (minimum 1) and a 20-30mm over-rider of sharp angular stone post fill of the grid.



Crystal House, 28-29 Wheatland Business Park, Wheatland Lane, Wallasey, Wirral CH44 7ER