



 **ECOGRID[®]**



A Case Study

Heavy Load Roadway





These are various examples of EcoGrid E50 with its high load bearing capacity, being used to extend roadways in a highly cost-effective manner. The grids are laid on a type 2 250mm base and are often left to fill naturally.

EcoGrid E50

43 layers on a full pallet=57.19 square metres. 1258 square metres on a full load

Technical data for the EcoGrid E50:

Dimensions: 33 cm x 33 cm x 5 cm Wall thickness/wall height: 7 mm / 50 mm Weight per unit: 1.08 kg Weight per m2: 10,917 kg Material: 100 % recycling material PE (polyethylene) Compression strength: up to 20 tonnes axle load in accordance with DIN 1072 Carrying load per m2: up to 800 tonnes Dimensional stability: temperature range -50° to 90° C Dimensional change: 0.5 % (for a normal temperature +20° to 80° C) Absorption of humidity: 0,01 % Environmental compatibility: Environmentally neutral in accordance with DIN 38412 UV and frost resistant Solubility: resistant to acids, alkalis, alcohol, oil and petrol (de-icing salt, ammonia, acid rain etc.) Laying performance: 100 m2 per person and hour



E50 uses

- » Car park reinforcement
- » Outdoor riding rings
- » Fire service access
- » Raised verge reinforcement
- » Connecting paths, drives
- » Building site routes, loading areas
- » Gardening and landscaping
- » Slope and dike reinforcements
- » Helipads
- » Airstrip reinforcements
- » Industrial and commercial applications
- » Military applications

