



Truckcell™

Generated on 03.05.2017



Detailed description

A heavy-duty cellular paving system designed for intensive usage and high-load traffic applications. The cells can be filled with topsoil and seeded or with gravel to provide a robust structural surface. Truckcell™ is manufactured from 100% recycled plastic and is strong enough to withstand trafficking from vehicles with high wheel loadings such as trucks, buses, fire appliances and refuse vehicles.

The polymer construction is semi-flexible, giving it a greater resistance to cracking than concrete alternatives and each unit weighs less than 12 kg, which keeps it well within Health and Safety manual handling guidelines. This high performance lighter-weight product facilitates simple manual installation and can greatly reduce installation time and site plant costs. Once installed, the open-cell structure is filled with a free draining material to form a pervious surface which can provide surface water source control within a SuDS design. The cells are typically filled with either an angular gravel or with a growing media and then seeded to provide a green vegetated finish in accordance with the aesthetic and maintenance requirements of the project application.

Features and benefits:

- Anti-skid option.
- Lightweight.
- Flexible.
- Environmentally friendly.
- High loads.
- High vegetation yield.
- Stable.

Applications:

- HGV parking and access roads.
- Fork-lift loading areas.
- Car/ coach parks.
- Emergency vehicle access routes.

Product guidance - As Standard

Colour:

Grey.

Upper filter/ separator geotextile:

ABG Terrex NW8 Geotextile, 1 mm thick.

Truckcell 80:

ABG creative geosynthetic engineering

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- Paving unit size: 80 x 400 x 600 mm.
- Cell size: 103 x 103 mm.
- Weight: 9 kg/ unit.
- Finish: Standard.
- Connection: Integral tongue and groove.

Truckcell 100:

- Paving unit size: 100 x 400 x 600 mm.
- Cell size: 100 x 100 mm.
- Weight: 12 kg/ unit.
- Finish: Anti-skid.
- Connection: Butt jointed.

Cell wall:

40 mm thickness.

Load bearing capacity:

SLW 60 - Vehicles up to 60 tonnes gross weight.

Bedding layer:

- Material: Clean, coarse grit sand.
- Thickness: 20 mm.

Cell infill:

- Gravel: 7–10 mm diameter, clean hard, free-draining, angular aggregate or gravel.
- Grass: Good quality, free-draining, friable top-soil with no contaminants or oversized debris. 35–50 g/m² amenity-blend, low-maintenance seed to specification; pre-seeding fertilizer followed up with appropriate seasonal fertilizer.

Options

Sub-base reinforcement:

Trigrid EX30/30.

Lower filter/ separator Geotextile:

ABG Terrex NW8 Geotextile, 1 mm thick.

Sub-base attenuation:

Geomembrane containment system and geotextile protection.

Product specification

Manufacturer

ABG creative geosynthetic engineering



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Product reference	Truckcell™ 80 Truckcell™ 100 anti-skid
Sub-base reinforcement	Required Not required
Lower filter/ separator geotextile	Required Not required
Sub-base attenuation	Required Not required