Grassform HD

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Grassform Product Guide







- Special manufacturing process delivering maximum strength
- Unique chevron traction surface and low theft risk
- Lower transport costs than aluminium and wooden mats
- Tough durable working areas and roads for very heavy plant and machinery
- Avoids severe rutting and eco damage to ground and heritage
- Highly efficient weight distribution on very soft or boggy ground

GRASSFORM Plant Hire
Temporary Roadway Specialists



Features

Unbreakable to over 150* tonnes, Grassform HD is the ultimate heavy duty road panel, providing temporary roadways and work areas for very heavy plant, machinery and multiple vehicles.

At a tough 38mm's thick and made from high density polyethylene (HDPE), Grassform HD are virtually indestructible. Unlike aluminium ground protection, Grassform HD can be deployed in areas of high theft risk and are lighter to transport. The panel is chemically inert which makes it ideal for eco sensitive and heritage sites.

Technical Specifications

Material:	HDPE (100% Recyclable)
Dimensions	
Length:	3000mm
Width:	2500mm
Depth:	38mm
Weight:	295kg
Useable Surface Area:	7.5m2

Material Properties

Material:	HDPE (100% Recyclable)
Max Allowable Force (CBR10*)	205.1 Tonne
Yield Strength	32 Mpa
Maximum Deflection at Yield	39.8mm
Max Allowable Angle – Vehicles	32.9°
Young's Modulus	1530MPa
Density	960kg/m3
Sheer Modulus	308MPa
Panel Bearing load per axle per panel	12 Tonnes

Compression Testing

Grassform HD has been subjected to a compressive force test at the National Physical Laboratory (NPL), UK using a circular steel platen (surface area 535 sq cm). The platen test equates to a point load test as required by BS EN 124: 1994.
Samples were compressed in the NPL 12 MN hydraulic test machine. Tests were carried out under laboratory conditions with the temperature controlled to 20°C ± 1°C and relative humidity controlled to 50% ± 5%.
Please note that testing is undertaken carried out with mat samples placed on a solid substrate, therefore, data cannot be interpreted for non-solid or very soft ground conditions. During testing the samples resisted breakage and splitting with progressive recovery of the materials to their original state.



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