

GRASSFORM PRODUCT GUIDELINE



Grassform HD Overlap
Dual sided ultra-strength
Roadway solution



- » Heavy duty roadways and compound areas
- » Overlapping connection creating seamless trip free platform even in extreme conditions
- » Designed and manufactured for ultra-strength and maximum lifespan
- » Dual sided mat with a heavy-duty surface grip designed for multi-tractional use for inclines and cambers, and a pedestrian friendly surface for walkways and pedestrian flooring
- » Chemically inert and 100% recyclable which makes it ideal for SSSI eco sensitive sites
- » Suitable for the following industries: Construction, Transmission, Rail, Geotechnical, Utilities, Telecoms, Heavy Haulage and Cranes, Portable Accommodation, Events and Sports. Wind and Solar



Features

Grassform HD Overlap is a 100% HDPE heavy-duty composite matting system designed to withstand and distribute extreme weights and rolling loads over a large surface area. HD Overlap is ideal for creating seamless portable roadways and work platforms over sensitive and/or adverse surfaces. HD Overlap incorporates a 4-sided overlapping flange to distribute weights, and an integrated locking system to ensure mats are securely connected together.

Surface traction: HD Overlap is a dual-sided mat that features a vehicular traction surface on one side and a pedestrian traction surface on the other. Mats can be used on either side and are connectable in any direction.

Technical Specifications

Material	HDPE (100% Recyclable)
Dimensions	
Length	2100mm
Width	3000mm
Depth	63mm
Weight	225kg
Usable Surface Area	5.3m ²

Material Properties

Material	HDPE (100% Recyclable)
Max Allowable Force (CBR10*)	252 Tonne
Yield Strength	21MPa
Maximum Deflection at Yield	38.1 mm
Slip/Skid Resistance	45PTV
Young's Modulus	965MPa
Density	1076kg/m ³
Shear Strength	365MPa
Panel Bearing load per axle per panel	12 Tonnes

* Ratings could be higher, but we will need more information about the application before performing additional simulations. The calculation was based on 60% panel access and accounts for CBR 10. Statistics above excluding panel bearing are based on load straddling two panels.

Compression testing

CBR	0.5	5	10	25	50	100
Deflection (mm)	25.4	8.6	6.4	3.8	2.5	1.8

Grassform Group

Little Woodbarns Farm Yard, Green Street, Fryerning, Ingatestone, Essex, CM4 0NT UK
 www.grassform.co.uk - email: sales@grassform.co.uk
 Tel: +44 (0) 1277 353 686 Fax: +44 (0) 1277 356890

GRASSFORM
GROUP

www.grassform.co.uk