

# GEOTERRA® CONSTRUCTION MATS

Protect access roads, work platforms and tracking pads across poor soils, wet ground, and difficult-to-access sites. With a high crush and flexural strength, GEOTERRA® ground protection mats support construction traffic and heavy equipment loads. Plus, a 40-70% cost savings compared to alternative mats gets contractors in and out of sites more economically.

July 2023		GEOTERRA®
Material Properties	Rev	
	Material	High-Performance/High-Modulus Blend of Polyethylene
	Color	Ranges from dark shades of gray to black
	Chemical Resistance	Superior
	Carbon Black for Ultraviolet Light Stabilization	1.5% - 2.0%
	Nominal Dimensions (width x length)	0.48 m x .96 m (3.15 ft x 1.57 ft)
	Nominal Unit Depth	50 mm (2 in)
	Nominal Coverage Area	0.46 m <sup>2</sup> (4.95 ft <sup>2</sup> )
	Cells per Unit	72
	Cell Size	79 mm x 81 mm (3.1 in x 3.2 in)
	Top Open Area per unit	87%
	Bottom Open Area per unit	41%
	Connection Device	PadLoc® Connector
	Nominal Weight per Unit	4.5 kg (9.9 lb)
	Units per Pallet	50
	Unit Minimum Crush Strength @ 21°C (70°F)	2,900 kPa (420 psi)
	Equivalent Elastic Stiffness, simply supported, @ 1 in (25 mm) deflection	140 N-m <sup>2</sup> (48,000 lb-in <sup>2</sup> )
Material Flexural Modulus at 23°C (73°F)	240,000 kPa (35,000 psi)	

NOTE: All dimensions, weight and values are subject to manufacturing tolerances

**Disclaimer:** Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at [www.LayfieldGroup.com](http://www.LayfieldGroup.com)