



# HEAVY DUTY GROUND GRIDS

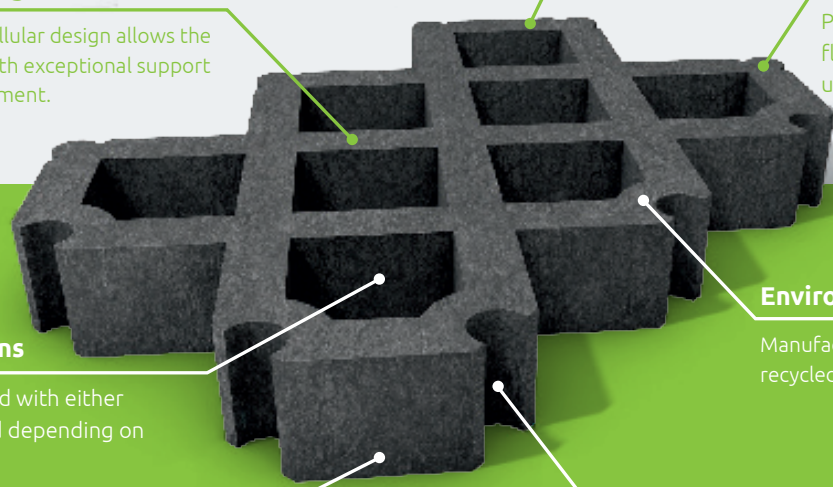
THE SUSTAINABLE SOLUTION FOR TRUCK PARKING, LANEWAYS AND MUCH MORE

## SPECIFICATIONS

Length	23 <sup>5</sup> / <sub>8</sub> "
Width	15 <sup>3</sup> / <sub>4</sub> "
Height	3 <sup>1</sup> / <sub>8</sub> "
Weight/piece	19.84 lbs
Coverage	2.58 ft <sup>2</sup>
Quantity/pallet	135 pieces
Area/pallet	348 ft <sup>2</sup>
Material	100% recycled plastic
Color	Gray

## KEY FACTS

- » High compressive strength
- » Flexible and resistant to cracking
- » Harmless to flora and fauna
- » Meet SLW60 loading category (vehicle up to 60 metric tonnes / 66 tons gross weight)
- » Within NIOSH manual handling guidelines



### Permeable design

A rigid but open cellular design allows the grids to provide both exceptional support and water management.

### Lightweight

Complies with HSE manual handling guidelines.

### Flexible

Polymer construction is semi flexible and resistant to cracking unlike concrete.

### Environmentally friendly

Manufactured from 100% recycled plastic.

### Application options

Open cells can be filled with either gravel or soil and seed depending on your application.

### High load

Meets high SLW vehicle usage specifications, up to 60 metric tonnes-DIN 1072.

### Stable

Location fit connection improves stability once units are in position.

hanit® 3 MATERIAL TEST DATA

Testing	Standard DIN EN ISO	Result		
3 point bend	178	Flexural stress	-5°C	27.4 MPa
		Bending e-modulus		1,739 MPa
		Flexural stress	23°C	15.2 MPa
		Bending e-modulus		890 MPa
		Flexural stress	65°C	6.3 MPa
		Bending e-modulus		262 MPa
Tensile	527-2	Strength	9.36 MPa	
		Tensile e-modulus	957 MPa	
		Elongation	3.7%	
Timed tensile	899-1	Tensile e-modulus	1 hour	455 MPa
			100 hours	279 MPa
Timed 3 point bend	899-2	Bending e-modulus	1 hour	595 MPa
			24 hour	439 MPa
			100 hours	367 MPa
Pressure characteristics	604	Compression strength	1% stretch	1.5 MPa
			2% stretch	3.0 MPa
			10% stretch	13.4 MPa
			20% stretch	18.6 MPa
		Pressure e-modulus	262 MPa	
Charpy test	179	Impact resistance	28 kJ/m <sup>2</sup>	
Impact shore hardness	868	Shore hardness	54	
Density test	1183-1	Density	0.9896 g/cm <sup>3</sup>	
Water absorption	62	23°C, 50%r.L.	<1%	
		23°C in water	<1%	
		100°C in water	<1%	
Resistance	60093 <sup>4</sup>	Surface resistance	3.0 x 10 <sup>12</sup> Ω	
		Specific surface resistance	3.0 x 10 <sup>13</sup> Ω	
		Flow/contact resistance	7.0 x 10 <sup>13</sup> Ω	
		Specific flow/contact resistance	3.5 x 10 <sup>14</sup> Ω	
Ball striking test	2039-1	Ball striking hardness	20.71 N/mm <sup>2</sup>	
Thermal expansion		Coefficient of thermal expansion	0.00012432 1/°C	
Screw pull out force		Drilled material	3,400 N	
		Non pre-drilled	4,700 N	

