



# HEAVY DUTY GROUND GRIDS

THE INTERLOCKING SOLUTION FOR TRUCK PARKS, LAY-BYS & ACCESS ROUTES

## SPECIFICATIONS

Length	60 cm – 23.62"
Width	40 cm – 15.75"
Weight	9 kg – 19.84 lbs
Coverage	4.17 grids/m <sup>2</sup> – 0.39 grids/ft <sup>2</sup>
Material	100% recycled plastic
Finish	Coarse
Colour	Grey

## KEY FACTS

- » High compressive strength
- » Flexible and resistant to cracking
- » Harmless to flora and fauna
- » Meet SLW60 loading category (vehicle up to 60 tonnes gross weight)
- » Complies with HSE manual handling limits

**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.

**High load**  
Meets high SLW vehicle usage specifications, up to 60 tonnes-DIN 1072.

**Environmentally friendly**  
Manufactured from 100% recycled plastic.

**Stable**  
Location fit connection improves stability once units are in position.

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

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

