



HEAVY DUTY GROUND GRIDS



SPECIFICATIONS

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

KEY FACTS

- » High compressive strength
- » Flexible and resistant to cracking
- » Meets SLW60 loading category (60 tonnes gross weight)
- » Compliant with EN 12424-1

Permeable design

Allows for drainage and water management.

Lightweight

Easy to handle and install.

Flexible

Adaptable to various ground conditions.

High load

Supports heavy machinery and loads.

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 ²	
Impact shore hardness	868	Shore hardness	54	
Density test	1183-1	Density	0.9896 g/cm ³	
Water absorption	62	23°C,50%r.L.	<1%	
		23°C in water	<1%	
		100°C in water	<1%	
Resistance	60093 ⁴	Surface resistance	3.0 x 10 ¹² Ω	
		Specific surface resistance	3.0 x 10 ¹³ Ω	
		Flow/contact resistance	7.0 x 10 ¹³ Ω	
		Specific flow/contact resistance	3.5 x 10 ¹⁴ Ω	
Ball striking test	2039-1	Ball striking hardness	20.71 N/mm ²	
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	

