



EcoBlock - Recycled Plastic Turf Block

The sustainable & interconnecting solution for residential & commercial parking, laneways and more

SPECIFICATIONS

| | |
|----------|--------------------------------|
| Length | 23 5/8" |
| Width | 15 3/4" |
| Height | 3 1/8" |
| Weight | 19.84 lbs |
| Coverage | 2.56 ft ² per block |
| Material | 100% recycled |
| Finish | Plastic coarse |
| Color | Gray |

KEY FACTS

- » High compressive strength
- » Flexible and resistant to cracking
- » Harmless to flora and fauna
- » Meet SLW60 loading category (vehicle up to 66 tons gross weight)
- » Complies with HSE manual handling limits
- » Replaces concrete and asphalt in a variety of applications

Permeable design

A rigid but open cellular design allows the blocks 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 66 tons- DIN 1072.

Environmentally friendly

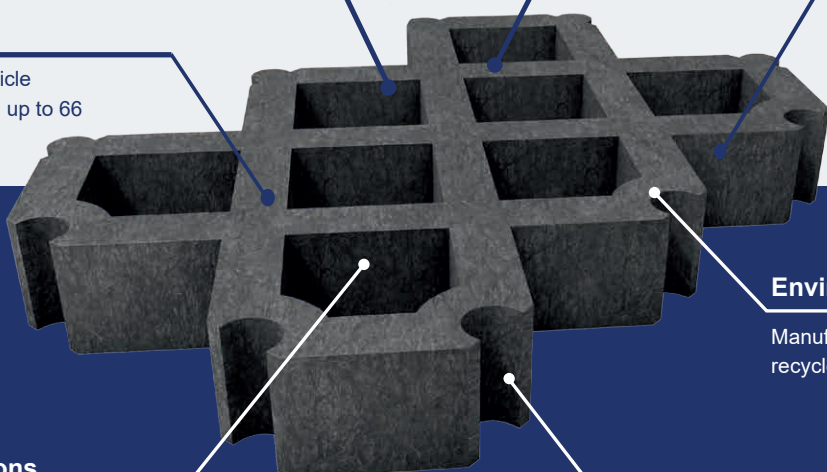
Manufactured from 100% recycled plastic.

Application options

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

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 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 | |

