


TERRAPLAST PLUS S20P

Product:	Terraplast Plus S20P - perforated dimpled sheet	
Supplier:	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a (www.masterplastgroup.com)	
Size, packaging:	2,0 or 2,5m wide × 20m long black rolls, with net surface pattern	
Application:	Water-retaining and drainage layer in soil-covered flat garden roofs, in addition the mechanical protection of the water-proofing in green roof structures. The sheets (laid with dimples downwards and perforated sheet upwards) prevent the fast dehydration of the vegetation, while excess water is drained away through the perforation and the waterproofing.	
Material:	High-density polyethylene (HDPE) with perforation	

Properties	Relevant standards	Technical data
Width	MDV	2,0 m (±1%)
Length	MDV	20m (±1%)
Mass per unit area	MDV	1000 g/m ² (±10%)
Thickness of sheet	MDV	0,90 mm (±10%)
Height of knobs	MDV	20mm (±10%)
Number of knobs	MDV	~400 db/m ²
Air-capacity between knobs	MDV	~ 14 l/m ²
Temperature resistance	MDV	(-)40°C - (+)80°C
Chemical resistance (against acids in the soil)		pass
Biological resistance (germs, fungus, rotting- and root resistance)		pass
Mechanical properties		
Compression strength (at ~15% compression) after short time load	EN ISO 25619-2	~150KN/m ² (±10%)
Elasticity	EN ISO 25619-2	1100kPa
Compression strength after long time load		~40KN/m ² (±10%)

Storage and handling

Under dry conditions, protected against sun-radiation and other heat sources.

Guarantee, warranty

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims. The product must be covered within 1 month after installation. 20 years warranty against rotting under normal circumstances occurring in natural soils (with 4<pH<9 and soil temperature <25°C).

Standards, specifications

Guidelines of green roofs

Health and safety

No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).

This datasheet corresponds to our current knowledge, experiences and general informations on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures.

This technical datasheet is applied to products sold by Masterplast Kft. and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.masterplastgroup.com.