

Product:	TERRAPLAST PLUS S20 - dimpled sheet	
Supplier:	MASTERPLAST International Kft., 8143 Sárszentmihály, Árpád u. 1/a (www.masterplastgroup.com)	
Size, packaging:	2,0 m wide / 20m long roll	
Application:	In civil-engineering and underground tunnel constructions, applied onto shotcrete or curtain walls - installed with the knobs to the outer shell, as a shuttering and surface drainage layer - it protects the waterproof, reinforced concrete retaining walls against seepage water and works also as lost formwork. Its high compression strength and the 20mm high knobs make possible to drain away significant quantity of water during construction and during the lifetime of the structure. It is also applicable as a ventilating sheet along not-properly water-proofed foundation- and retaining walls, installed with the knobs to the wall.	
Material:	High-density polyethylene (HD-PE)	

Properties	Relevant standards	Technical data
Width	EN 1848 - 2	2,0 m (±2 %)
Length	EN 1848 - 2	20 m (±2 %)
Mass per unit area	EN 1849 - 2	1000 g/m ² (±5 %)
Hight of knobs	MDV	20 mm (±10 %)
Durability against ageing	EN 1296, EN 1928	pass
Durability against chemicals	EN 1847, EN 1928	pass
Mechanical properties		
Compression strength (at ~15% compression) after short time load	EN ISO 25619-2	150 (±30) kN/m ² (=kPa)
Tensile strength (MD/CMD)	EN ISO 10319	9 (-2) kN/m / 9 (-2) kN/m
Elongation (MD/CMD)	EN ISO 10319	35 (±15) % / 35 (±15) %
Drainage capacity		
Waterflow estimated value (Vertical application; 20kPa, i=1)	EN ISO 12958	10 l/(m.s) (-20)%
Waterflow estimated value (Horizontal application; 20kPa, i=0,04)	EN ISO 12958	2,5 l/(m.s) (-20)%
Waterflow estimated value (Horizontal application; 20kPa, i=0,1)	EN ISO 12958	4,3 l/(m.s) (-20)%

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 14 days after installation. Min 5 years warranty against rotting under normal circumstances occurring in natural soils (with 4<pH<9 and soil temperature <25°C).

Standards, specifications
EN 13252

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 International 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. Modification of the technical datasheet repeals the previously issued versions!