

MACDRAIN SPORT D10 TRT

HIGH PERMEABILITY DRAINAGE COMPOSITE FOR SPORT PITCHES

(**) CE flow

200/385/400

On demand

Absent (product trimmed on both sides)

± 2 %

-0 m / +1 m

Geocomposite for planar drainage systems, produced by thermobonding a draining core in extruded Polypropylene monofilaments with two filtering nonwoven geotextiles. The geotextiles have characteristics of high permeability. The product is supplied in rolls having a trimmed profile (no overlap is needed on site)

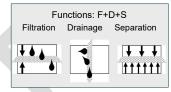
Properties	Standard	Unit	Value	Tolerances
Geocomposite				
Thickness at 2 kPa	EN ISO 9863-1	mm	10.0	±10%
Mass per unit area	EN ISO 9864	g/m²	1140	±10%
Tensile strength MD/CMD	EN ISO 10319	kN/m	15.0	±2%
Dimensional stability	UNI EN 13746	%	≤ 0.5	A - X
Shock absorbtion 3 points	UNI EN 14808	%	40	± 20
Horizontal hydraulic capacity	MI-LND 021 (*)	I/(m·s)	≥ 0.25	-
In-plane flow capacity MD	EN ISO 12958	l/(m·s)	See table below	±15%

Hvd	raulic	grad	ient:

Contacts:	Load	0.03	1.00
Soft/soft	20 kPa	-	4.42(**)
Soft/rigid	20 kPa	0.62	4.42
	100 kPa	0.44	3.19
	200 kPa	0.34	2.47

Filter Layers (Top filter = TF , bottom filter = BT)							
Structure	Top filter (TF): mechanically bonded non woven Bottom filter (BF): mechanically bonded and thermotreated non woven						
Raw material	Polypropylene, UV-stabilized						
Tensile strength MD/CMD	EN ISO 10319	kN/m	TF 7.0 / BF 7.5	± 20%			
Static puncture resistance	EN ISO 12236	N	TF 1000 / BF 1300	± 15%			
Dynamic perforation resistance	EN ISO 13433	mm	TF 25 / BF 36	± 20%			
Flux normal to the plane	EN ISO 11058	I/(m ² ·s)	110	± 30%			
Vertical Permeability	EN ISO 12616	mm/h	TF > 30000	-			
Characteristic opening size O_{90}	EN ISO 12956	micron	TF 110 / BF 100	± 30%			
Width	-	cm	200/385/400	± 2 %			
Drainage core							
Structure	Three dimensional geomat consisting of extruded monofilaments arranged in channels parallel to MD direction						
Raw material	Polypropylene, UV-stabilised by carbon-black						
Width	-	cm	200/385/400	± 2 %			
Standard Geocomposite sizes							

cm







Quality System certified according to UNI EN ISO 9001:2008

Approved by LND/FIGC (Italian Football Amateur League)

Test directions: MD= machine direction; CMD= cross machine direction;

When a tolerance is displayed, it refers to a 95% confidence level.

Durability - Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperatures <25°C.

Product has to be covered within 14 days after installation.

) Test prescribed by LND/FIGC (Italian Football Amateur League)

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Maccaferri Asia (Exports)

Width

Length

Selvedges

Unit 3A - 11, Block B, Phileo Damansara 1, 46350 Petaling Jaya, Selangor, Malaysia T: (60-3) 7957 8330 F: (60-3) 7957 9080

E-mail: info.asia@maccaferri.com - Web site: maccaferri.com/asia