

# TECHNICAL DATA SHEET



Product name:

**FIBRANfilter SF32**

Material:

PP

Application:

Fabric for inverted roofs

PROPERTY	METHOD	UNITS	NOMINAL VALUE	MINIMUM	MAXIMUM
FUNCTIONALITY: HYDRAULIC PROPERTIES					
Opening size (O <sub>90</sub> )	EN ISO 12956	Mm	140	-	-
Permeability (V <sub>IHS0</sub> )	EN ISO 11058	10 <sup>-3</sup> .m/s	70	-	-
Permeability at 20 kN/m²	DIN 60500-4	10 <sup>-4</sup> .m/s	4,6	-	-
Permeability at 200 kN/m²	DIN 60500-4	10 <sup>-4</sup> .m/s	2,9	-	-
Flow rate at 10 cm WH	BS 6906-3	l·m <sup>-2</sup> /s	110	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN ISO 9864	g/m²	110	-	-
Thickness under 2 kN/m²	EN ISO 9863-1	mm	0,43	-	-
Thickness under 200 kN/m²	EN ISO 9863-1	mm	0,35	-	-
Energy absorption	EN ISO 10319	kJ/m²	3,0	-	-
Tensile strength	EN ISO 10319	kN/m	7,0	-	-
Elongation	EN ISO 10319	%	45	-	-
Tensile strength at 5%	EN ISO 10319	kN/m	3,3	-	-
Puncture CBR	EN ISO 12236	N	1.000	-	-
Dynamic Cone Puncture	EN ISO 13433	mm	35	-	-
Grab strength	ASTM D 4632	N	625	-	-
Tear strength	ASTM D 4533	N	290	-	-
DURABILITY					
Predicted to be durable for a minimum of 100 years in all natural soils					
Natural UV light	Good resistance up to several months in direct sunlight. Nevertheless, prolonged exposure particularly in tropical sunlight can cause strength losses. Product should be covered after 2 weeks of installation.				
Moisture	Does not absorb moisture				
Rot, Mildew	Unaffected				
.....Natural occurring acids and alkali	Unaffected				
Oxydation resistance	EN ISO 13438	100% retained strength			
Chemical resistance	EN 14030	100% retained strength			
Microbiological Resistance	EN 12225	100% retained strength			
ADDITIONAL PROPERTIES					
Length		mm	150.000	-	-
Width		mm	2.100	-	-
Area		m²	315	-	-
Roll diameter		mm	280	-	-
Roll weight		kg	34,65	-	-
Polymer	100% polypropylene				
Melting point	165 °C				
Colour	Grey				

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