

Technical Datasheet

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OLDROYD Gtx20

Polypropylene membrane EN 13967 Type V, EN 13252 F+D

Oldroyd Gtx20 is a black, heavy duty studded membrane onto which is welded a geotextile filter. It provides a 100% barrier to protect floors and walls from ingress of ground water. The filter prevents particles blocking the drainage cavity ensuring moisture to drain away. Oldroyd Gtx20 is primarily used to provide high capacity drainage underneath concrete floors in building, parking lots etc.

PROPERTIES	Standard	Unit	Value
Roll length		m	15
Roll width		m	2.0
Straightness, deviation		mm/10m	<20
Thickness, sheet		mm	0.5
Height total, approx.		mm	5.5
Air volume		L/m ²	3.6
Weight, total incl. geotextile		kg/m ²	0.6
Tensile strength, MD/CD	EN 12311-2	N/5 cm	>550
Elongation, MD/CD	EN 12311-2	%	>200
Joint strength	EN 12317-2	N	>190
Tear resistance	EN 12310-1	N	>550
Compression strength, 20 % deformation	EN 13967:2004 Annex B	kN/m ²	>250
Resistance to static loading	EN 12730	N	>200
Impact resistance	EN 12691:2006	mm	>300
Water tightness, 2 kPa	EN 1928	-	Pass
Water tightness after ageing, 2 kPa	EN 1296 / EN 1928	-	Pass
Water tightness against chemicals, 2 kPa	EN 1847 / EN 1928	-	Pass
In-plane water flow capacity (rigid/soft, 20 kPa, i=1.0)	EN 12958	m ² /s	7.8·10 ⁻³
Water vapour resistance	EN 1931	m ² sPa/kg	>1·10 ¹²
Reaction to fire	EN 13501	Class	F
Dangerous substances	REACH	SVHC list	None
Expected lifetime		Years	>50
Geotextile filter fabric			
Weight		g/m ²	110
Tensile strength, MD/CD	EN ISO 10319	kN/m	7
Elongation, max load	EN ISO 10319	%	45
CBR resist. to static puncture	EN ISO 12236	N	1000
Dynamic perforation resistance	EN ISO 13433	mm	35
Water permeability	EN ISO 11058	m/s	70·10 ⁻³
Opening size	EN ISO 12956	µm	140
Durability, all natural soils, < 25°C	EN 13252 B3.2.2	Years	

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