

Product Data Sheet

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ExtruPol®F

Pre Applied Fully Bonded Waterproofing Geomembrane Based on Flexible Polyolefins (FPO)

Product Description

Pre applied geomembrane for foundation, wall and underground structures. Adhesive and mechanically fastened or ballasted for gravel, roof gardens, park decks or similar is suitable for application. Schedetal ExtruPol 2,1 F is a waterproofing membrane with an inner layer of glassfleece based on flexible Polyolefins (FPO / TPO) (Type of using: DE / E1 FPO-BV-E-GV-K-PV-1,8)

Range of uses

ExtruPol is used in buildings for foundation waterproofing and in roofing and re-roofing. In civil engineering the application can vary from the waterproofing of tunnels to bridge deck waterproofing and in water retaining structures such as reservoirs, water tanks and pools. ExtruPol can be attached using mechanical fasteners, bonded in place with solvent free adhesive, loosely laid and covered with gravel, concrete paviors or used as the substrate for garden roofs.

Benefits

Durability
Weather resistant, UV & ozone resistant, Permanent low temperature flexibility: - 55°C
High dimensional stability
Easy to apply
Rapid installation, Consistent hot air welding, secure site jointing, easy detailing
Eco - friendly
Completely re-cycleable, Safe to dispose off. Plasticiser and chlorine free. Free of heavy metal products.
Suitable for potable water
Resistance against root penetration (FLL – Test)

Characteristics

Struktur / Color

Surface: square graticule
Thickness : 1,20 mm - 1,90 mm - 2,10 mm - 2,30 mm
Standard colour: light grey
Special colour: on enquiry

Form of delivery

Roll dimensions: 1,50 m x 15,0 mt / 20 mt
big rolls on enquiry
Transport: rolls standing on pallet on 1,05 m width dth
rolls standing on pallet on 1,50 m
width dth rolls lying on pallet on 2,00 m width

Technical Code Approvals

Schedetal **ExtruPol F** with and in most cases exceed international testing standards such as DIN EN 13956 ; DIN 220000-201
DIN EN 13501-1 class E reaction on fire
EN 1187 acc. to DIN EN 13501-5 Broof(t1)
factory production controlled by an external Institute Quality Management System acc. to DIN EN ISO 9001

System Information

A wide selection of accessories is available to complete ExtruPol membranes, ensuring secure detailing in areas such as corners pipe penetrations fasteners and glue outlets also protecting, draining and leveling layers are available.

System Accessories

Surface Attributes

On all surfaces ExtruPol can be applied fast and economical. The surfaces are to be controlled for applicability by the applicator before starting his work

Laying Schedetal Sealing Systems

See the Instruction manual for laying

Characteristics	Unit		Results	Test method
Visible defects	-		No visible defects	EN 1850-2
Length	m		15,00/ 20,00 (-0%/ +5%)	EN 1848-2
Width	m		0,25/1,05 /1,50 (- 0,5%/ +1,0%)	EN 1848-2
Straightness	mm		< 50	EN 1848-2
Flatness	mm		< 10	EN 1848-2
Effective thickness	mm		1,90 / 2,10 / 2,30 (-5%/ +10%)	EN 1849-2
Mass per unit area	kg/m ²		1,96 (-5% /+10%)	EN 1849-2
Watertightness method B	-		tight	EN 1928
External fire performance	-		B (Roof) t1 (< 20°)	DIN EN 13501-5 EN V 1187
Reaction to fire	-		class E	DIN EN ISO 11925-2
Hail resistance	m/s	rigid: flexible:	≥ 25 ≥ 35	DIN EN 13583
Joint peel resistance	N/50 mm	longitudinal/ transverse:	≥ 500	DIN EN 12316-2
Joint shear resistance	N/50 mm	long/ trans:	≥ 550	DIN EN 12317-2
Water vapour properties μ	-		90.000	DIN EN 1931
Maximum tensile force	N/50mm	long: trans:	≥ 1000 ≥ 900	DIN EN 12311-2
Elongation at maximum tensile force	%	long: trans:	≥ 40 ≥ 60	DIN EN 12311-2
Resistance to impact	mm		≥ 700	DIN EN 12691
Resistance to static load method A	kg		20	DIN EN 12730
Tear resistance	N	long: trans:	≥ 300 ≥ 400	DIN EN 12310-2
Resistance to root penetration	-		tested according to FLL	DIN EN 13948
Dimensional stability	%		≤ 0,3	DIN EN 1107-2
Foldability at low temperature	°C		≤ -55	DIN EN 495-5
UV exposure 5000	h		struk 0	DIN EN 1297
Exposure to contact with bitumen	-		method (b)	DIN EN 1548

Application based on our today's knowledge. User and applicator have to test our products and regard all information about the application. We don't liable, about wrong advice or wrong application and The content for the publication about Schedetal's products and the information about the use of our products. All mentioned instructions are juridical without guarantee. Changes are reserved. The applicator has to regard existing laws, regulations and norms. The general terms of business are basis of all proceedings.