

O.C.-Plan® ECB
Structural Waterproofing

Product Data Sheet according to DIN EN 13967 and DIN V 20.000-202



06
1213-CPR-018

Technical Specification to DIN EN 13967	Product Description		
	Material: Ethylene-Copolymer-Bitumen (ECB)		
	O.C.-Plan® 3020	O.C.-Plan® 4230	O.C.-Plan® 5028 SK
Areas of Application			
Sealing as moisture barrier Type A	✓	✓	✓
Sealing as groundwater barrier Type T	✓	✓	✓
Composition			
Techn. Features	central glass fleece	central glass fleece, with non-woven polyester backing 250 g/m ²	central glass fleece, with self-adhesive backing
Length ¹⁾ to DIN EN 1848-2	20 m	20 m	15 m
Width to DIN EN 1848-2	2100/1500/1050/750/ 525/350/250 mm	2100/1500/1050/525 mm ²⁾	1050 mm ³⁾
Total Thickness to DIN EN 1849-2	2,0 mm	3,0 mm ⁴⁾	2,8 mm ⁴⁾
Actual Thickness to DIN EN 1849-2	2,0 mm	2,0 mm	2,0 mm
Reaction to fire to DIN EN 13501-1	Class E	Class E	Class E
Water vapour diffusion resistance factor to DIN EN 1931	90.000 (Method B)	90.000 (Method B)	90.000 (Method B)
Tensile strength to DIN EN 12311-2	≥ 4 N/mm ² (Method B)	≥ 900 N/50mm (Verfahren A)	≥ 4/mm ² (Method B)
Elongation to DIN EN 12311-2	≥ 400 % (Method B)	≥ 60 % (Method A)	≥ 400 % (Method B)
Joint peel resistance to DIN EN 12316-2	≥ 400 N/50mm	≥ 400 N/50mm	≥ 400 N/50mm
Joint shear resistance to DIN EN 12317-2	≥ 500 N/50mm	≥ 500 N/50mm	≥ 500 N/50mm
Resistance to impact to DIN EN 12691 <i>Rigid substrate</i> <i>Flexible substrate</i>	≥ 750 mm (Method A) ≥ 1500 mm (Method B)	≥ 1000 mm (Method A) ≥ 1500 mm (Method B)	≥ 750 mm (Method A) ≥ 1500 mm (Method B)
Resistance to static load to DIN EN 12730	> 20 kg (Method A/B)	> 20 kg (Method A/B)	> 20 kg (Method A/B)
Tear resistance to DIN EN 12310-2	≥ 400 N	≥ 550 N	≥ 500 N
Resistance to root penetration to DIN EN 13948	passed	passed	passed
Dimensional stability to DIN EN 1107-2	≤ 0,5 %	≤ 0,3 %	≤ 0,5 %
Foldability at low temperatures to DIN EN 495-5	≤ -30 °C	≤ -30 °C	≤ -30 °C
Durability of water tightness with simulated ageing nach DIN EN 1296 und 1928	passed (Method B)	passed (Method B)	passed (Method B)
Durability of water tightness under the chemical influence to DIN EN 1847 and 1928	passed (Method B)	passed (Method B)	passed (Method B)
Exposure to bitumen to DIN EN 1548	passed	passed	passed
Water thightness to DIN EN 1928	≥ 500 kPa (Method B)	≥ 500 kPa (Method B)	≥ 500 kPa (Method B)
Colour	black	black	black

¹⁾ Special lengths on request

²⁾ With one- or double-sided fleece-free selfedge

* Meets demands for roof constructions ** tested by Polyfin AG
Details on tested roof constructions available at manufacturer.

The information given in our technical data sheets is based on the current knowledge and experience. The suitability for the correct application has to be secured by the user. Application has to be done according to our installation guide. The technical features can vary within the quoted tolerances. Our current general business terms are valid.