

O.C.-Plan® ECB Roof Sealing and Waterproofing Membranes



06
1349-CPD-019

Technical Specification to DIN EN 13956	Product Description Material Ethylen-Copolymer-Bitumen (ECB)			
	O.C.-Plan® 3020	O.C.-Plan® 4230	O.C.-Plan® 4125	O.C.-Plan® 5028 SK
Areas of Application				
Loose laid under gravel or other ballasts	✓	✓	✓	-
Loose laid, mechanically fixed	✓	✓	✓	-
Strip bonding with PUR-adhesive	-	✓	-	-
Full surface bonding	-	✓	✓	✓
Composition	central glass fleece	central glass fleece with non-woven polyester backing 250 g/m ²	central glass fleece with non-woven polyester backing 150 g/m ²	central glass fleece with self-adhesive backing
Techn. Features				
Length ¹⁾ to DIN EN 1848-2	20 m	20 m	20 m	15 m
Width to DIN EN 1848-2	2100/1500/1050/750/ 525/350/250 mm	2100/1050/ 525 mm ²⁾	1050 mm ²⁾	1050 mm ³⁾
Total Thickness to DIN EN 1849-2	2.0 mm	3.0 mm ⁴⁾	2.5 mm ⁴⁾	2.8 mm ⁴⁾
Actual Thickness to DIN EN 1849-2	2.0 mm	2.0 mm	2.0 mm	2.0 mm
External fire performance to DIN V ENV 1187, DIN 4102-7	passed**	B _{ROOF(t_i)} *	NPD (no performance determined)	passed**
Reaction to fire to DIN EN 13501-1	Class E	Class E	Class E	Class E
Water vapour diffusion resistance factor to DIN EN 1931 (Method B)	90.000	90.000	90.000	90.000
Tensile strength to DIN EN 12311-2	≥ 4 N/mm ² (Method B)	≥ 900 N/50 mm (Method A)	≥ 600 N/50 mm (Method A)	≥ 4 N/mm ² (Method B)
Joint peel resistance to DIN EN 12316-2	≥ 400 N/50 mm	≥ 400 N/50 mm	≥ 400 N/50 mm	≥ 400 N/50 mm
Elongation to DIN EN 12311-2	≥ 400 % (Method B)	≥ 60 % (Method A)	≥ 50 % (Method A)	≥ 400 % (Method B)
Joint shear resistance to DIN EN 12317-2	≥ 500 N/50 mm	≥ 500 N/50 mm	≥ 500 N/50 mm	≥ 500 N/50 mm
Resistance to impact to DIN EN 12691	> 750 mm	> 1000 mm	> 750 mm	> 750 mm
Resistance to static load to DIN EN 12730 (Method A/B)	> 20 kg	> 20 kg	> 20 kg	> 20 kg
Hail resistance to DIN EN 13583	Rigid substrate ≥ 25 m/s Flexible substrate ≥ 40 m/s	≥ 25 m/s ≥ 40 m/s	≥ 25 m/s ≥ 40 m/s	≥ 25 m/s ≥ 40 m/s
Tear resistance to DIN EN 12310-2	≥ 200 N	≥ 350 N	≥ 250 N	≥ 200 N
Resistance to root penetration to DIN EN 13948	passed	passed	passed	passed
Dimensional stability to DIN EN 1107-2	≤ 0.5 %	≤ 0.3 %	≤ 0.5 %	≤ 0.5 %
UV radiation to DIN EN 1297 (>5000h)	passed	passed	passed	passed
Foldability at low temperatures to DIN EN 495-5	≤ -30 °C	≤ -30 °C	≤ -30 °C	≤ -30 °C
Chemical resistance to DIN EN 1847	passed	passed	passed	passed
Exposure to bitumen to DIN EN 1548	passed	passed	passed	passed
Water tightness to DIN EN 1928 (Method B)	≥ 500 kPa	≥ 500 kPa	≥ 500 kPa	≥ 500 kPa
Colour	black	black	black	black

¹⁾ special lengths on request

²⁾ with 40 mm polyester-free edge on one or both sides

³⁾ with 40 mm self-adhesive free edge on one or both sides

⁴⁾ incl. non-woven polyester or self-adhesive backing

* 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.