



Product data sheet 865-1-2



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Certification number: 1724 - CPR - 041101
1724 - CPR - 041201

Product trade name: **ELMO-Flex PV**, slated
Elastic polymer bitumen torch-on membrane

Product-number: 10655

Product-standard: DIN EN 13707
DIN EN 13969

Labelling: DO / E 1 PYE-PV 200 S 5 according to DIN SPEC 20000-201
BA / PYE PV 200 S 5 according to DIN SPEC 20000-202

Length, width: 5.00 m x 1.00 m
Thickness: 5.20 mm
Coating type: Polymer bitumen
Content of solubility: N/A
Reinforcement: Polyester fleece
Min. weight of reinforcement: 250 g/m²
Top sheet: Slate
Bottom sheet: Film

Polymer bitumen torch-on membrane with polyester fleece as a top layer of roof insulation and Polymer bitumen torch-on membrane with polyester fleece to seal building against rising damp and water.

Characteristics according to DIN EN 13 707, DIN EN 13969	Test method/ Classification	Units	Requirements/ Critical value
Visible defects	DIN EN 1850-1	-	no visible defects
Length	DIN EN 1848-1	m	≥ 5.00 m
Width	DIN EN 1848-1	m	≥ 1.00 m
Straightness	DIN EN 1848-1	mm/10 m	≤ 20
Mass per unit area	DIN EN 1849-1	kg/m ²	unverifiable result
Thickness	DIN EN 1849-1	mm	≥ 5.20
Water tightness at 200 kPa test pressure	DIN EN 1928 Method B	-	passed
External fire performance	DIN V ENV 1187	-	see testing of system
Reaction to fire	DIN EN ISO 11925-2	-	Class E according to DIN EN 13501-1
Water tightness after stretching at low temperatures	DIN EN 13897	-	unverifiable result
Peel resistance of joint	DIN EN 12316-1	N/50 mm	unverifiable result
Shear resistance of joint	DIN EN 12317-1	N/50 mm	unverifiable result
Tensile properties: maximum tensile force	DIN EN 12311-1	N/50 mm	1400 / 1000 ± 10 %
Tensile: elongation	DIN EN 12316-1	%	40 / 40 ± 5 %
Resistance to impact	DIN EN 12691	mm	unverifiable result

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Characteristics according to DIN EN 13 707	Test method/ Classification	Units	Requirements/ Critical value
Resistance to static loading	DIN EN 12730	kg	unverifiable result
Resistance to tearing (nail shank)	DIN EN 12310-1	N	unverifiable result
Resistance to root penetration	DIN EN 13948	-	-
Dimensional stability	DIN EN 1107-1	%	-
Form stability under cyclic temperature change	DIN EN 1108	%	unverifiable result
Flexibility at low temperatures	DIN EN 1109	°C	≤ - 35
Flow resistance at elevated temperatures	DIN EN 1110	°C	≥ + 120
Artificial aging DIN EN 1296	DIN EN 1109 or DIN EN 1110	°C °C	unverifiable result unverifiable result
Adhesion of granules	DIN EN 12039	%	-
Water vapour transmission properties	DIN EN 1931	-	-

Customer information:

Purpose:

ELMO-Flex PV is an elastomer polymer bitumen torch-on membrane with polyester fleece reinforcement. It consists of a combination of synthetic, rubber and bitumen with modifying and stabilising additives to ensure a high resilience together with a good recovery after deformation. Because of its special formulation the membrane possesses characteristics that are far beyond the requirements of DIN SPEC 20000-201 like a good plasticity range meaning a good flexibility at low temperatures and a high flow resistance at elevated temperatures.

ELMO-Flex PV is used on any angle as a premium insulation layer. Together with other polymer bitumen, membranes or bitumen underlay membranes it mostly serves as a cap sheet according to DIN 18531, DIN 18532 and as a premium cap sheet for ceilings covered with soil at W3-E according to DIN 18533.

Application:

The application of **ELMO-Flex PV** is carried out in accordance with DIN 18531, DIN 18532, DIN 18533 and the nationally valid "Regulations for roofs with sealant – flat roof regulations" and the "abc of bitumen membranes". The membrane has to be torched-on.

Loose laying or mechanical fixing of the membrane as well as spots or stripes of heating/adhesion on the surface followed by heating/adhesion of the joint overlaps can cause corrugation if the outside temperature and/or surface temperature are too low.

Please note that the colour of the granules can vary during their useful life due to the effect of weather and other outside agents.

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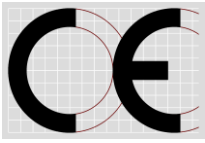
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Chemical resistance:

ELMO-Flex PV is water-resistant as well as resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen **ELMO-Flex PV**.

Storage:

Store upright in a cool and dry place.

Safety data sheet:

Supplementary safety data sheet is available on request.

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