

Product trade name: **MULTIPLEX Super AL  
Polymer bitumen vapour barrier**

Product - number: 10097

Product norm: DIN EN 13970

Length, Width: 7.50 x 1.00 m

Thickness: 3.5 mm

Coating type: Polymerbitumen

Reinforcement: Aluminium and glass fleece 60 g/m<sup>2</sup>

Top surface: Quartz sand

Bottom surface: Polyethylene foil

Characteristics according to DIN EN 13970	Test method/ Classification	Units	Requirements/ Critical value
Visible defects	DIN EN 1850-1	-	no visible defects
Length	DIN EN 1848-1	m	≥ 7.50
Width	DIN EN 1848-1	m	≥ 1.00
Straightness	DIN EN 1848-1	mm/10 m	< 20
Mass per unit area	DIN EN 1849-1	kg/m <sup>2</sup>	unverifiable result
Thickness	DIN EN 1849-1	mm	3.50 (± 5 %)
Water tightness	DIN EN 1928 Method B	-	passed at 100 kPa
Tensile properties: maximum tensile force	DIN EN 12311-1	N	≥ 400/400
Tensile properties: elongation	DIN EN 12311-1	%	≥ 2/2
Flow resistance at elevated temperatures	DIN EN 12311-1	° C	≥ + 100
Flexibility at low temperatures	DIN EN 1109	° C	≤ - 20
Water vapour transmission properties	DIN EN 1931	m	sd ≥ 1.500
Reaction to fire	DIN EN 11925-2		Class E according to DIN EN 13501-1
Radon tightness	see test report	-	passed
Peel resistance of joint	DIN EN 12316-1	-	unverifiable result
Shear resistance of joint	DIN EN 12317-1	-	unverifiable result
Resistance to impact	DIN EN 12691	-	unverifiable result
Resistance to static loading	DIN EN 12730	-	unverifiable result
Dimensional stability	DIN EN 1107-1	-	unverifiable result
Artificial aging	DIN EN 1296	-	unverifiable result

**GEORG BÖRNER**

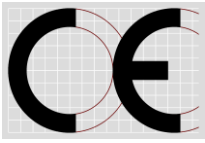
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Reserving changes. The indicated technical values refer to the date of production.



**Customer information:**

Purpose:

**MULTIPLEX SUPER AL** is a polymer bitumen torch-on membrane. It is used as a premium underlayer and vapour barrier membrane (functional layer) on a flat roof for all non-aerated layers on massive substructure. The aluminium reinforcement is resistant to alkali and corrosion. The layer can be used also as an "Emergency covering" (i.e. provisional sealing).

Please pay attention to the inclinational and operational demands!

Application:

The application of **MULTIPLEX SUPER AL** is carried out in accordance with DIN 18531, the nationally valid "Regulations for roofs with sealant – flat roof regulations" and the "abc of bitumen membranes".

The membrane is either concealed with polyethylene foil on the bottom or sand-covered and is torched-on the entire area, pointwise or stripwise. The 8 cm wide joint overlaps have to be torched-on consistently and thus only form a dense vapour barrier on the whole of the functional layer!

Chemical resistance:

**MULTIPLEX SUPER AL** 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 **MULTIPLEX SUPER AL**.

Storage:

Store in a cool and dry place.

Safety data sheet:

Supplementary safety data sheet is available on request.