SOLITEX® UM connect

Roofing underlay membrane with 3D separation mesh and self-adhesive strips



Technical data

	Material
Structured separation mesh	Polypropylene
Protective and covering fleece	Polypropylene microfibre
Functional film	Monolithic TEEE
Self-adhesive strips	Butyl rubber

Property	Regulation	Value
Colour		Anthracite
Surface weight	EN 1849-2	420 g/m² ; 1.38 oz/ft²
Thickness	EN 1849-2	8.0 mm ; 315 mils
Water vapour resistance factor μ	EN ISO 12572	6
sd value	EN ISO 12572	0.05 m
g value	EN ISO 12572	0.25 MN·s/g
Vapour permeance	ASTM E 96	38 perms
Reaction to fire classification	EN 13501-1	E
Outdoor exposure		3 months
Watertight joints with 'connect' adhesive strips or TESCON tape	EN 13859-1	W1
Water column	EN ISO 811	10 000 mm ; 32' 10"
Watertightness, non-aged/aged*	EN 13859-1	W1 / W1
Tensile strength MD/CD	EN 13859-1 (A)	220 N/5 cm / 170 N/5 cm ; 25 lb/in / 19 lb/in
Tensile strength MD/CD, aged*	EN 13859-1 (A)	185 N/5 cm / 160 N/5 cm ; 21 lb/in / 18 lb/in
Elongation MD/CD	EN 13859-1 (A)	60% / 70%
Elongation MD/CD, aged*	EN 13859-1 (A)	40% / 50%
Nail tear-resistance MD/CD	EN 13859-1 (B)	130 N / 135 N ; 29 lbf / 30 lbf
*) Durability after artificial ageing	EN 1297 / EN 1296	Passed
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Adhesion of 'connect' strips		Above +0 °C ; 32 °F
Temperature resistance, permanent	EN 1109, EN 1296, EN 1297	-40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)
CE labelling	EN 13859-1	Yes

Areas of application

For use as a roofing underlay or facade membrane for ventilated and non-ventilated structures in combination with all roof and facade materials such as titanium zinc, aluminium, stainless steel, galvanised steel, copper etc. Fibrous membranes offer greater protection for structures and are recommended by leading providers of metal roofs for this reason. The 8 mm ($^{5}/_{16}$") thick 3D separation mesh made of fibrous PP protects the covering against waterlogging and dampens noise caused by rain or hail.

Supply forms

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
12739	25 m	1.5 m	37.5 m²	15 kg	1	10	4026639127396

Advantages

- ✔ Highest possible durability and thermostability thanks to the TEEE membrane
- ✔ Reliable drying out: highly permeable (s_d value = 0.05 m ; g value = 0.25 MN·s/g ; 65 US perms)
- ✔ Protects against corrosion and ensures improved noise insulation thanks to the 3D separation mesh
- ✔ Dry building structures thanks to pore-free TEEE membrane that is resistant to driving rain
- ✔ Up to 3 months of outdoor exposure
- ✔ Quick and reliable adhesion thanks to the integrated 'connect' self-adhesive strips on the long edges of the membrane

General conditions

Install the SOLITEX UM membrane with the fibrous layer side facing outwards. The membrane is to be installed horizontally (parallel to the eave) in a taut manner as an underlay membrane over level roof sheathing made of solid wood or wood-based panels.

Fasteners may not be applied in areas where water runs off in a collected manner (e.g. in roof valleys).

Ridge ventilation should be provided in the case of non-insulated attics that have not been converted. In addition, permanent ventilation fittings should be provided in the unconverted attic.

Additional measures (e.g. covering with tarpaulins) should be taken during the construction phase in the case of buildings that are lived in or buildings that are to be given particular protection. Covering with tarpaulins should also be considered if construction work is to be interrupted for a longer period. The specifications of the applicable national regulations are to be taken into account when carrying out installation and adhesion.

CE 07 EN 13859-1

UK CA

Made in Germany developed and produced by pro clima

The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

MOLL
bauökologische Produkte GmbH
Rheintalstraße 35 - 43
68723 Schwetzingen
Germany
Phone: +49 6202 2782 0
eMail: info@proclima.com

pro clima®