

# SOLITEX UM<sup>®</sup>



4-layer roofing underlay with 3-D mesh layer and butyl self-adhesive strip

## BENEFITS

A 4-layer vapor open waterproof membrane with 3-D mesh. Underlayment with integrated venting for metal roofs and shingle/siding WRB for rainscreen applications. It provides superior weather protection for your demanding projects and can cover insulation, plywood, OSB and exterior gypsum-board. It has an actively vapor open, monolithic layer of TEEE film that is extremely waterproof – and outperforms vapor closed underlayments both in outward drying potential as well as ease of application.

When installed according to instructions, the SOLITEX UM is suitable as temporary roofing. When used with shingle roof installation, the roof should be covered with a waterproof sheet in case of rain. As with any underlayment, it's imperative that the shingle decking be rain-tight.

Condensation of water at the backside of the metal roof panels or shingles, can dry easily because of the 8mm back-ventilation.

## PROPERTIES

- Integrated 3-D mesh venting strip
- Actively vapor open TEEE film membrane
- Very watertight, resists 33 ft of water column
- Highly vapor permeable – 38 US perms (Sd-value 0.05m)
- Microfiber mesh assures high tear resistance
- Suitable as temporary roofing at >3:12 pitch
- Roll width: 59"(1.5m), Folded at 55" (1.4m) for adhesion strip
- Roll length: 82' (25m)
- Roll area: 404 ft<sup>2</sup> (37.5 m<sup>2</sup>)

## TECHNICAL SPECS

Protective and Covering Fleeces	polypropylene microfiber
Membrane	Monolithic TEEE
Color	Dark grey



**475 High Performance Building Supply**

info@foursevenfive.com (USA) info@foursevenfive.ca (Canada) 800-995-6329

## TECHNICAL SPECS (continued)

Attribute	Norm	Value
Surface weight	DIN EN 1849-2	450 ±10 g/m <sup>2</sup>
Temperature Resistance		-40 °C to +100 °C
Water vapor resistance factor $\mu$	DIN EN 1931	10
Thickness	DIN EN 1849-2	8.0 ±0.5 mm
g-value mean / humidity variable	DIN EN ISO 12572	0.3 ± 0.1 MNs/g / 0.1 MNs/g
Fire class	DIN EN 13501-1	E
Exposure time		3 months
Watertightness	EN 1928	W1 Passed
Water Column	DIN EN 20811	33 ft (10,000 mm)
sd-value	DIN EN ISO 12572	0.5 m
Water vapor permeance	ASTM E96	38 US perms

## APPLICATION

SOLITEX UM connect is suitable for ventilated or unventilated structures in combination with any type of roofing or façade materials such as titanium zinc, aluminium, stainless steel, galvanised steel, copper etc.. Spun-bonded membranes increase the safety of the structure and are therefore recommended by leading metal roof manufacturers. The 8 mm thick 3D separation layer made of PP fabric underlay protects the roof covering from moisture build-up and provides sound insulation against the noise of rain or hail. Follow the SOLITEX UM application guide found on [foursevenfive.com](http://foursevenfive.com) (USA) / [foursevenfive.ca](http://foursevenfive.ca) (Canada).

## GENERAL CONDITIONS

Pro Clima SOLITEX UM should be laid with the printed side facing the installer. It can be laid perpendicular to the sub-structure or parallel along it (such as along the rafters). Membrane should be applied taut and without sags or creases. Fasteners may not be applied in areas where water run-off is collected (e.g. in roof valleys). Minimum application for adhesive strip is 40°F/5°C. Do not apply on days when frost will occur. For cold weather application, please contact 475.

