

SOLITEX MENTO 5000 CONNECT



Extremely durable, 3-layer roof underlayment rated for 6 month exposure time with integrated adhesion strips for easy installation

BENEFITS

- Highly permeable yet, maximum driving rain protection, water column >32' (10 m)
- Optimum drying conditions for roof structures: non-porous TEEE functional membrane actively transports moisture outwards
- Robust PP cover fleeces provide maximum aging and temperature resistance
- Quick and reliable overlap adhesion with integrated PSA adhesion strips
- Suitable for temporary roof when installed with TESCON VANA and NAIDECK nail sealing tape
- Part of 10 year comprehensive Pro Clima warranty

TECHNICAL SPECS

Attribute	Norm	Value
Protective and Covering Fleece		polypropylene microfiber
Membrane		Monolithic TEEE
Color		dark grey
Surface weight	EN 1849-2	0.7 ±0.02 oz/ft ² (215 ±5 g/m ²)
Thickness	EN 1849-2	28 ±4 mils (0.70 mm ±0.10 mm)
sd-value	EN ISO 12572	0.05 ±0.02 m
Water vapor permeance	ASTM E96	38 US perms
Air permeance	ASTM E2178	0.00004 cfm/ft ²
Fire behavior	ASTM E84	Class A (FS:0 - SDI:85)
Exposure time		6 months



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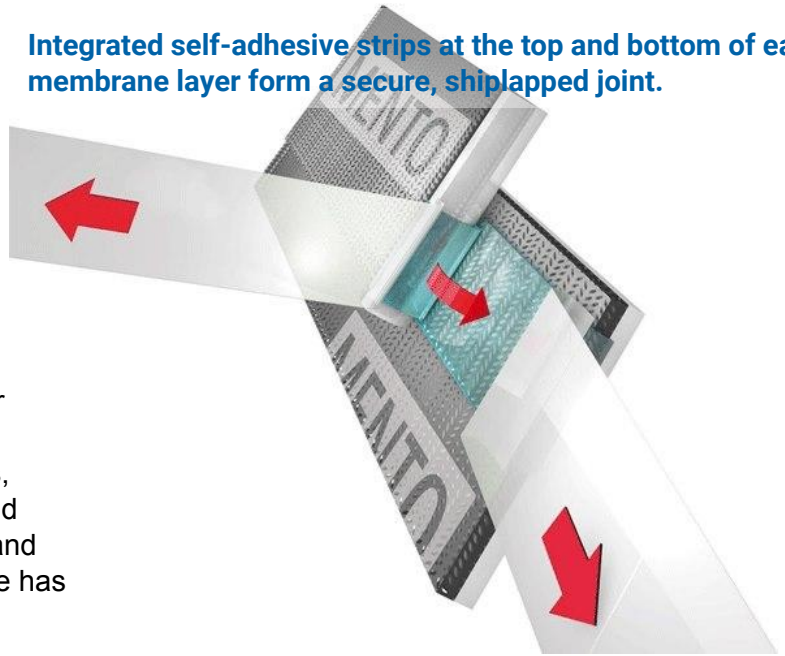
TECHNICAL SPECS (continued)		
Attribute	Norm	Value
Water Column	AATCC 127	32' 10" (10m)
Water resistance un-/aged	EN 1928	W1 / W1
Tensile strength MD/CD	EN 13859 -1 (A)	365 ±25 N/5 cm / 275 ±25 N/5 cm; 42 ±3 lb/in / 31±3 lb/in
Tensile strength MD/CD aged*	EN 13859 -1 (A)	330 ±25 N/5 cm / 245 ±25 N/5 cm; 38 ±3 lb/in / 28 ±3 lb/in
Elongation MD/CD	EN 13859 -1 (A)	55 ±10 % / 65 ±10 %
Elongation MD/CD aged*	EN 13859 -1 (A)	30 ±10 % / 40 ±10 %
Nail tear resistance MD/CD	EN 13859 -1 (B)	290 ±30 N / 360 ±30 N; 65 ±7 lbf / 81 ±7 lbf
*Long term artificial aging	EN 1297 EN 1296	passed
Flexibility at low temperature	EN 1109	-40 °F (-40 °C)
Temperature resistance		-40 °F (-40 °C) to +248 °F (120°C)

CODE COMPLIANCE	
IBC - 1404.2	Passed AC38 testing as approved material
IRC - R703	Passed AC38 testing as approved material
IECC - 5.4.3.1.3 and C402.5.1	Passed ASTM E2178<0.004cfm/ft2 ASTM 2357 <0.4cfm/ft2

APPLICATION

Follow all installation guidelines, available in downloadable PDF form on the product pages found on foursevenfive.com (USA) or foursevenfive.ca (Canada). The complete SOLITEX system calls for TESCON NAIDECK to be used as nail sealing tape under roof battens, CONTEGA HF as joint adhesive and TESCON VANA for joining seams and overlaps. This “Connect” membrane has two self-adhesive strips for secure exterior sealing of overlaps.

Integrated self-adhesive strips at the top and bottom of each membrane layer form a secure, shiplapped joint.



Pro Clima SOLITEX MENTO 5000 Connect should be installed with printed side facing the exterior. Always check rafters/studs/sheathing for nails, splinters, and unnecessary protrusions before installation to prevent punctures and damage to the membrane. Remove loose materials, debris and dust that may act as impediments to installation. It can be laid perpendicular to the sub-structure or parallel along it (such as along the rafters). The membrane should be applied taut and without sags or creases. The maximum on center spacing of the structure behind SOLITEX MENTO 5000 Connect is 40” (100 cm). After the membrane is applied, battens should be installed through the SOLITEX MENTO 5000 Connect into the structure. Apply battens as soon as possible to prevent damages from wind suction on the membrane.

At greater than 14° (3:12) pitch SOLITEX MENTO 5000 Connect can be used as temporary roofing, with overlaps taped and sealed. Roof pitches below 14° (3:12) should be protected with additional means and methods (tarps) to protect the construction from weather/rain exposure. SOLITEX MENTO 5000 Connect should only be stapled in areas covered by overlapping membrane. Membrane damages, punctures with nails, staples or other fasteners should be waterproofed with TESCON VANA/NAIDECK and are to be avoided in areas like valleys or crickets. In the case of unconditioned attics with OSB or plywood sheathing, ridge ventilation or a vapor outlet should be provided. See our e-book details for best practices or have an open vented space on either side of the ridge that is 2” (5cm) wide and has code compliant air inlets at the eaves.

Temporary weather protection:

SOLITEX MENTO membranes have been used to protect buildings against precipitation. Not recommended as temporary roofing over occupied/finished spaces as pinhole leaks from construction damage, such as dropped tools, could cause leaks. Pro Clima and 475 are not responsible for damages occurring as a result of water getting behind weather resistive membranes in such cases. If water finds a way to get below SOLITEX MENTO, additional measures, such as tarps, are recommended to keep your roof waterproof until the final roof is installed.