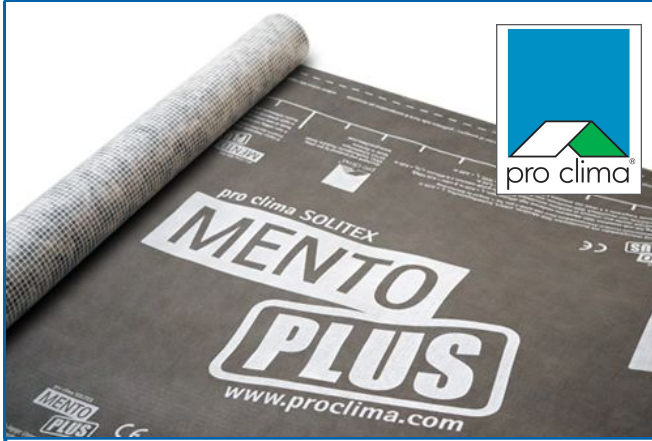


# SOLITEX MENTO PLUS



Airtight weather resistant barrier (WRB) suitable for dense pack insulation

## BENEFITS

Heavy duty 4-layer reinforced vapor open sub-roof and rainscreen membrane that is a WRB. It can be used as blown-in insulation mesh, without the need for exterior sheathing (which can be a vapor retarder) - allowing you to design/build a wall that is truly vapor open at the exterior.

## TECHNICAL SPECS

Attribute	Norm	Value
Protective and Covering Fleece		polypropylene microfiber
Membrane		Monolithic TEEE
Color		dark grey
Surface weight	DIN EN 1849-2	175 ±5 g/m <sup>2</sup>
Thickness	DIN EN 1849-2	0.60 mm ±0.10 mm
Water vapor resistance factor $\mu$	DIN EN ISO 12572	83
sd-value	DIN EN ISO 12572	0.05 ±0.02 m
Water vapor permeance	ASTM E96	38 US perms
Fire behavior	DIN EN 13501-1	E
Exposure time		4 months
Water Column	AATCC 127	8'2" (> 2,500 mm)



# SOLITEX MENTO PLUS

TECHNICAL SPECS (continued)		
Attribute	Norm	Value
Water resistance un-/aged	DIN EN 1928	W1 / W1
Tensile strength MD/CD	EN 12311-1 DIN	500 ± 30 N/5 cm / 330 ± 30 N/5 cm ; 57 ± 3 lb/in / 38 ± 3 lb/in
Tensile strength MD/CD aged*	EN 12311-1 DIN	495 ± 30 N/5 cm / 315 ± 30 N/5 cm ; 57 ± 3 lb/in / 36 ± 3 lb/in
Elongation MD/CD	EN 12311-1 DIN	20 ± 5% / 20 ± 5%
Elongation MD/CD aged*	EN 12311-1 DIN	20 ± 5% / 20 ± 5%
Nail tear resistance MD/CD	EN 12310-1 DIN	300 ± 30 N / 300 ± 30 N ; 67 ± 7 lbf/ 67 ± 7 lbf
*Long term artificial aging	DIN EN 1297 DIN EN 1296	passed
Flexibility at low temperature	EN 1109	-40 °F (-40 °C)
Temperature resistance		-40 °F (-40 °C) to +212 °F (100°C)
Coefficient of thermal conductivity		0.17 W/m·K
Sarking membrane/roof lining membrane	ZVDH- Product Data Sheet	USB-A / UDB-B
Suitable as temporary roof covering	ZVDH	Yes

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
NBC 2015 - 9.27.3.2	Passed CAN/CGSB 051.32-M



## CODE COMPLIANCE (continued)

NBC 2015 - 9.27.3.2

Passed CAN/CGSB 051.32-M

## APPLICATION

Follow the SOLITEX MENTO PLUS application videos and PDF guides available on the SOLITEX MENTO Plus product page at [foursevenfive.com](http://foursevenfive.com) (USA) or at [foursevenfive.ca](http://foursevenfive.ca) (Canada).

For all connections and overlaps use system components of Pro Clima's Intelligent Airtight System. Use TESCON VANA for overlaps, TESCON PROFIL for corner connections, CONTEGA HF to adhere to rough or uneven substrates & concrete connections, ROFLEX for pipes penetrations, KAFLEX gaskets for wire penetrations, etc. For a full introduction to airsealing with Pro Clima products, follow details found in 475's free downloadable ebooks.

SOLITEX MENTO PLUS can be used as a weather resistive barrier and exterior airtight membrane on walls and roofs. For interior airtightness and vapor control, use INTELLO PLUS vapor-variable, reinforced membrane. The Pro Clima Intelligent Airtight System provides complete protection against moisture-induced failures in structurally challenging constructions such as diffusion-resistant flat/ pitched roofs and for walls or roof with vapor retarding exterior sheathing (OSB or plywood).

## GENERAL CONDITIONS

Pro Clima SOLITEX MENTO PLUS 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). Membrane should be applied taut and without sags or creases. The maximum on center spacing of the structure behind SOLITEX MENTO PLUS is 40" (100 cm). After membrane is applied, seams should be taped with TESCON VANA and battens should be installed through the SOLITEX MENTO PLUS into the structure. Apply battens as soon as possible to prevent damages from wind suction on the membrane. When using blown in insulation support the weight with battens less than 20" (50 cm) on center.

If long term tensile forces on the taped overlaps are expected by dense-packed insulation weight, an additional supporting batten should be placed on each of those overlaps. Alternatively, the taped overlap can be reinforced with TESCON VANA tape applied at right angles to the overlap every 12" (30 cm). **NOTE:** watertight and airtight seals can only be achieved on vapor control membranes that have been laid without folds or creases.



## GENERAL CONDITIONS (continued)

Additionally for blown-in insulation: a benefit of applying SOLITEX MENTO PLUS parallel to substructure when installing dense packed insulation afterwards, is that all overlaps are mechanically fastened and secured to structural elements.

At greater than 14° (3:12) pitch SOLITEX MENTO PLUS can be used as temporary roofing, with overlaps taped and sealed. Any exposed staples (ie not under overlap, needs to be taped with TESCON VANA. Roof pitches below 14° (3:12) should be protected with additional means and methods (tarps) to protect the construction from weather/rain exposure.

### **Temporary weather protection:**

SOLITEX MENTO can be used to protect roofs of buildings against precipitation during construction. They are not recommended as temporary roofing over occupied/finished spaces as application errors, unnoticed punctures, heavy wind and rain could force water into enclosure. Pro Clima and 475 are not responsible for damages occurring as a result of water getting behind SOLITEX MENTO roof underlayments. If it is required to prevent all precipitation from entering the enclosure, we recommend additional measures (tarps) to keep your roof waterproof until the final roof is installed.