

# 475 SOLITEX MENTO 3000 / CONNECT



Airtight, vapor permeable membrane, and a durable water resistive barrier and roof underlayment

## ADVANTAGES & PROPERTIES

SOLITEX MENTO 3000 is a mechanical fastened, air barrier and vapor permeable water resistive barrier and roof underlayment. SOLITEX MENTO 3000 delivers the first class safety and durability of every Pro Clima membrane, and is easy to install. SOLITEX MENTO 3000 Connect comes with an integrated adhesion strip. The non-Connect version requires TESCON VANA to seal overlaps.

- Unique monolithic, non-porous membrane that is actively vapor open which offers enhanced protection compared to microporous membranes
- High vapor permeability of 38 perms allows for optimum drying potential
- Durable airtight layer, part of ProClima’s Intelligent Airtight System
- Extremely high tear resistance and UV resistant cover fleece
- Very waterproof and suitable for roofs with a water column of >32 ft (10m)
- Living Building Challenge Compliant – Red List Free
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## SIZES & DIMENSIONS

	CONNECT (10091)	DOUBLE-WIDE (10092)
Roll Width	59 (1.5m)	118” (3m)
Roll Length	164’ (50m)	164’ (50m)
Roll Area	807 SF (75 m <sup>2</sup> )	1614 SF (150 m <sup>2</sup> )

## TECHNICAL DATA

Protective and Covering Fleece		polypropylene microfiber
Membrane		Monolithic TEEE
Color		dark grey

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Attribute	Norm	Value
Surface weight	EN 1849-2	0.5 ±0.02 oz/ft <sup>2</sup> (150 ±5 g/m <sup>2</sup> )
Thickness	EN 1849-2	18 ± 2 mils (0.45 mm ±0.05 mm)
UV / Exposure Time (Roof)		4 months (all climate zones)
UV / Exposure Time (Wall)		4 months (climate zones 1-3) 6 Months (climate zone 4+ and Canada)
Water resistance un-/aged	EN 1928	W1 / W1
Water vapor permeance	ASTM E96	38 US perms
Water Column	AATCC 127	32' 10" (10m)
Tensile strength MD/CD	EN 12311-2	34lb/in / 23lb/in; 300N/5 cm / 220N/5 cm
Tensile strength MD/CD aged	EN 12311-2	27lb/in / 19lb/in; 240N/5 cm / 165N/5c m
Nail tear resistance MD/CD	EN 12310-1	210 ±30 N / 270 ±30 N; 47 ±7 lbf / 61 ±7 lbf
Fire behavior	ASTM E84	Class A (FS:0 - SDI:85)
Elongation MD/CD	EN 12311-1	70 ±20 % / 80 ±20 %
Elongation MD/CD aged	EN 12311-1	50 ±20 % / 65 ±20 %
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
NBC 2015 9.27.3.2	Passed CAN/CGSB 51.32
NBC 2020 9.26.2 Roofing materials NBC 2020 9.27.3 Second plane of protection	Passed CAN/CGSB-51.32-M77

## APPLICATION

Follow the SOLITEX MENTO 3000/Connect application guide found on [www.475.supply](http://www.475.supply). 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.

Pro Clima SOLITEX MENTO 3000/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 3000 Connect is 40” (100 cm). After the membrane is applied, battens should be installed through the SOLITEX MENTO 3000 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 3000 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 3000 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.

## GENERAL CONDITIONS

### Temporary Weather Protection:

SOLITEX MENTO membranes have been used to protect buildings against precipitation. They are 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.

## Declare.

**SOLITEX MENTO 1000 / 3000 / 5000 / PLUS**  
**Moll bauoekologische Produkte GmbH**

**Final Assembly:** Schwetzingen, Baden-Württemberg, Germany  
**Life Expectancy:** 50 Year(s)  
**End of Life Options:** Recyclable (100%)

**Ingredients:**  
Polypropylene; 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,4-butanediol, methyloxirane and oxirane; 1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine; N-alkoxy hindered amine reaction products; Carbon black

**Living Building Challenge Criteria:** Compliant

**I-13 Red List:**  
 LBC Red List Free      % Disclosed: 100% at 100ppm  
 LBC Red List Approved      VOC Content: Not Applicable  
 Declared

**I-10 Interior Performance:** Not Applicable  
**I-14 Responsible Sourcing:** Not Applicable

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