

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 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 as part of the ProClima 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

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 ²)	1614 SF (150 m ²)

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 ² (150 ±5 g/m ²)
Thickness	EN 1849-2	18 ± 2 mils (0.45 mm ±0.05 mm)
Water vapor permeance	ASTM E96	38 US perms
Fire behavior	ASTM E84	Class A (FS:0 - SDI:85)
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 Column	AATCC 127	32' 10" (10m)
Water resistance un-/aged	EN 1928	W1 / W1
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/5cm
Elongation MD/CD	EN 12311-1	70 ±20 % / 80 ±20 %
Elongation MD/CD aged	EN 12311-1	50 ±20 % / 65 ±20 %
Nail tear resistance MD/CD	EN 12310-1	210 ±30 N / 270 ±30 N; 47 ±7 lbf / 61 ±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
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

GENERAL CONDITIONS & APPLICATION

Pro Clima SOLITEX MENTO 3000/Connect should be installed with the printed side facing the exterior. Before installation, inspect rafters, studs, and sheathing for potential hazards like nails, splinters, and protrusions to prevent punctures and damage to the membrane. Clear the area of loose materials, debris, and dust to ensure smooth installation. The membrane should be laid horizontally, with a preference for taut application without sags or creases. The membrane should only be exposed for 4 months.

SOLITEX MENTO 3000/Connect can serve as temporary roofing on roof pitches above 3:12 (14°) with taped and sealed overlaps. Staple only in areas covered by overlapping membrane. Install vertical battens with TESCON NAIDECK promptly after applying the membrane to prevent damage from wind. Waterproof any membrane damages or punctures with TESCON VANA.

For temporary weather protection, SOLITEX MENTO membranes shield against precipitation but are not recommended over occupied/finished spaces. In such cases, pinhole leaks from construction damage, like dropped tools, could occur. ProClima and 475 are not liable for damages if water penetrates below the membrane. Additional measures, such as tarps, are advised until the final roof installation.

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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-piperidinyloxy)-, 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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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

