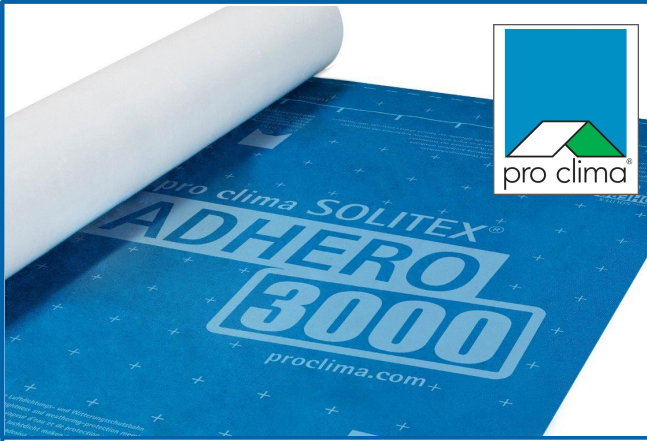


# ADHERO



Self-adhered, monolithic weather resistive barrier/ roof underlayment. Robust, vapor permeable, very waterproof and great cold weather performance.

## BENEFITS

ADHERO is a self-adhering, monolithic, vapor permeable membrane, durable weather resistive barrier or roof underlayment. This membrane doubles as a continuous air barrier and rainscreen waterproofing. ADHERO delivers the first class safety and durability of every Pro Clima membrane, and is easy to install with its 10 in. (250 mm) top release strip, full self-adhered backing and cutting guides.

## PRODUCT PROPERTIES

- Roll Dimensions: 59" x 98'5" (1.5m x 30m) 484 ft<sup>2</sup> (45 m<sup>2</sup>)
- Unique monolithic, non-porous membrane that is actively vapor open, this offers enhanced protection compared to microporous membranes
- Extremely high tear resistance and UV resistant cover fleece
- Reliable bonding on all standard construction materials thanks to excellent adhesive properties and full coverage with Pro Clima acrylic adhesive
- Split release paper with 10 in. (250 mm) top strips, allows for easy two-step installation
- Very waterproof, suitable for roofs, with a water column of >32 ft (10m)
- Self-sealing around fasteners

## TECHNICAL SPECS

Attribute	Norm	Value
Protective and Covering Fleece		Polypropylene microfiber fleece
Adhesive		Full surface acrylic adhesive
Membrane		Monolithic TEEE
Color		dark blue
Surface weight	EN 1849-2	0.79 ±0.02 oz/ft <sup>2</sup> ; 240 ±5 g/m <sup>2</sup>
Thickness	EN 1849-2	28 ±2 mils ; 0.70 ±0.05 mm



TECHNICAL SPECS (continued)		
Attribute	Norm	Value
Application Temperature		From 15 °F (-10 °C)
Maximum recommended UV Exposure time		Climate Zone 4-8: 4 months on roofs,, 6 months on walls Climate Zone 1-3: 3 months on roofs, 4 months on walls
Weather protection for CLT floors/ceiling against water damages/staining		4 weeks (follow CLT instructions)  Additional exposure time possible with sign off from technical@foursevenfive.com
Water Resistance	E331	Passed 2 hours a 300pa (6.24PSF)
Air Tightness	ASTM E2357	0.0009 CFM/ft2 penetrated wall
Vapor permeance	E96 EN ISO 12572	8 perms 11 perms
Water Column	EN 20811	> 32' 10" (10 m)
Self sealing around nails / peel adhesion / weathering/thermal	AMAA 711	Passed / passed on several substrates / passed
Durability	EN 1297 EN 1296	Passed artificial ageing at 212 °F (100 °C)
Tensile strength	EN 12311-1	250 N/5 cm / 200 N/5 cm ; 29 lb/in / 23 lb/in
Nail tear resistance MD/CD	EN 12310-1	>45 lbf / >34 lbf ; >200 N / >150 N (depending on substrate)
Fire behavior	ASTM E84	Class A (FS:10 - SDI: 15)

CODE COMPLIANCE (IBC/IRC/IECC)	
IBC - 1403.2 IRC - R703.1	Complies per ASTM E331 for 2 hours at 6.24PSF
IBC - 1404.2 IRC - R703	Passed AC38 testing as approved material
IECC - 5.4.3.1.3 and C402.5.1	Passed ASTM E2178 - 0.00047cfm/ft <sup>2</sup> Passed air leakage - 0.0024L/(s·m <sup>2</sup> ) @75 Pa (ASTM E2178)



## CODE COMPLIANCE NBC 2015

5.4.1 Air Barrier Systems	Passed air leakage <0.02 L/(s·m <sup>2</sup> ) @75 Pa (ASTM E2178)
9.36.2.9 (c) Airtightness	Passed air leakage <0.2 L/(s·m <sup>2</sup> ) @75 Pa (ASTM E2357)
9.20.13 Control of rain water penetration	CAN/CGSB 51.32M (Sheathing membrane): passed
9.26.2 Roofing materials	CAN/CGSB 51.32M (Sheathing membrane): passed
NFPA285	Several approved assemblies available

## APPLICATION

Pro Clima ADHERO's actively vapor open membrane combines extremely high water resistance with the benefits of a fully adhered WRB/air barrier. It offers the ultimate weathertightness during construction on roofs, CLT floors, and walls. The ADHERO membrane is adhered directly to the exterior wall and creates a lasting bond by pressurizing the adhesive with a PRESSFIX. Overlaps of at least 6" (15cm) are recommended on vertical and horizontal joints - guides are printed on the membrane. To make a durable bond the substrate should be stable, dry, smooth and free of dust, silicones and grease. The membrane and it's overlaps shouldn't be permanently exposed to tensile forces/stresses. Adhesion to objects that have been frozen over is not possible. The best adhesion results and protection of the structure is achieved by using high-quality substrates. You are responsible for checking the suitability of the substrate, when in doubt an adhesion tests is recommended.

## SUBSTRATES

Pro Clima ADHERO should be installed with printed side facing the exterior and adhered to a solid, structurally stable substrate (plywood, OSB, exterior gypsum, concrete etc). After membrane is applied, pressurize with PRESSFIX XL and cover with rainscreen-/roof- battens as soon as possible. Please note: watertight and airtight seals can only be achieved on WRB membranes that have been laid without folds or creases and are correctly pressurized on properly prepared substrates. Pitched roof (3:12 and up) or CLT floor protection have to follow respective installation guidelines. Certain exterior gypsum boards with factory applied water repellent coating require pre-treatment with a primer to increase adhesion for field verification. Please contact [technical@475.supply](mailto:technical@475.supply) for assistance.

For wood fiberboard (GUTEX etc) use ProClima TESCON Primer RP at top 8" (200mm) release paper strips. Pretreatment with TESCON Primer RP is necessary in the case of rough or porous surfaces such as wood fiber board insulation, rough/oily OSB, or substrates with insufficient stability (CMU, masonry and concrete). When in doubt, verify adhesion with an adhesion test. For very rough substrates - use CONTEGA HF or MULTIBOND for best airsealing and connections.



## GENERAL CONDITIONS

Use the full Pro Clima airtightness system to qualify for a 10 year comprehensive warranty.

**CLT Protection:** ADHERO can provide temporary weather protection for intermediate ceilings and floors on multi-story CLT (cross-laminated timber), wooden-frame buildings, or flat roofs during construction for a period of up to 28 days provided the appropriate installation instructions are followed.

**Roof Underlayment:** ADHERO can be used on roof pitches above  $>14^\circ$  (3:12) because of its monolithic TEEE layer, and as a long term roof underlayment with properly sealed penetrations, valleys and junctions.

Additional notes and requirements for pitches below 3:12 :

- Clay tile roof below  $14^\circ$  require NAIDECK down to  $9.5^\circ$  (2:12)
- Standing seam metal roofs without NAIDECK, down to  $9.5^\circ$  (2:12)
- Standing seam metal roofs with NAIDECK, down to  $4.8^\circ$  (1:12)

### Temporary weather protection for roofs:

ADHERO can be used to protect roofs of buildings against precipitation during construction. They are not recommended as temporary roofing over occupied/finished spaces as leaks from application errors, unnoticed punctures, heavy wind/rain can could force water into enclosure. Pro Clima and 475 High Performance Building Supply are not responsible for damages occurring as a result of water getting behind ADHERO membranes. 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.

