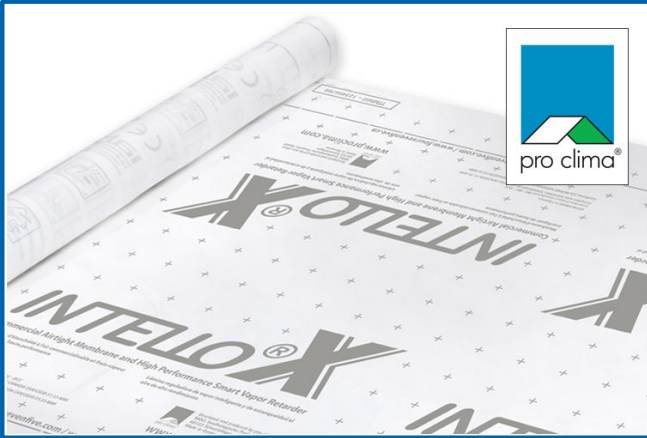


INTELLO X



Commercial air barrier membrane and high performance smart vapor retarder

ADVANTAGES & PROPERTIES

INTELLO X is a smart vapor retarder and air barrier with best in class protection of fibrous/vapor open thermal insulation in roofs and wall assemblies.

- Largest vapor variability available
 - In dry winter conditions < 0.13 perm (Sd value 25m)
 - In summer > 13.2 perm (Sd value 0.25m) maximizing inward drying potential
- Can be used as a temporary roof protection during the construction phase for roof pitches of 3:12" pitches (>15 degrees) and higher - walkable and waterproof
 - Rated for 2 month exterior and UV exposure
- Polypropylene protective layers on both sides of smart retarder protect it from damages and UV exposure, and allow for durable tape bonds on both faces of the membrane
- Suitable for all types of insulation (dense-pack cellulose/woodfiber, wool, hemp batts, stone wool, fiberglass, and others)
- Complies with IBC, IRC, IECC, NBC and ICC-ESR-4854

SIZES & DIMENSIONS

	STANDARD (1AR00417)	DOUBLE-WIDE (1AR02885)	UNFOLDED (1AR03907) *CANADA ONLY
Roll Width	59" (1.5m)	118" (3m) Folded on roll 4" application offset	118" (3m)
Roll Length	164' (50m)	164' (50m)	164' (50m)
Roll Area	807 ft ² / 75 m ²	1,614 ft ² / 150 m ²	1,614 ft ² / 150 m ²

TECHNICAL DATA

Protective and Covering Fleece	Polypropylene microfiber fleece
Membrane	Vapor-variable polyethylene copolymer
Color	White



INTELLO X

Attribute	Norm	Value
Surface weight	DIN EN 1849-2	0.5 oz/sf (150 g/m ²)
Thickness	DIN EN 1849-2	18 mils (0.45 mm)
Average vapor resistance	DIN EN 1931	Perm 0.44 (sd-value 7.50m ±0.25m)
Vapor Permeance	EN ISO 12572	Perm rate from 0.13 to > 13 (Sd value from 0.25m to >25m)
Vapor Variability	ASTM E96 Procedure A (dry cup)	0.2 perm
	ASTM E96 Procedure B (wet cup)	6 perm
Surface Burning Characteristic	ASTM E84	Class A Flame spread: 0 Smoke development: 35
Airtightness	ASTM E2178	<0.00005 cfm/ft ²
	CAN/ULC S741 <0.004 cfm/ft ²	Passed
Tensile strength	MD/CD DIN EN 12311-2	29 lb/in/ 19 lb/in 250 N/50 mm / 170 N/50 mm;
Elongation at break	MD/CD DIN EN 12311-2	60% / 60%
Nail tear resistance	MD/CD DIN EN 12311-2	27 lbf / 27 lbf 120 N/ 120 N
Durability / artificial age test	DIN EN 1296/EN 1931	Passed
Temperature resistance		-40 F° to 176 F° / -40 C° to 80 C°

CODE COMPLIANCE

ICC - ESR 4854	Humidity-Dependent Vapor Retarder (AC528)
IRC 2015 - R702.7	Class II vapor retarder
IBC 2015 - 1405.3.1	Class II vapor retarder
NBC 2020 - 9.25.4.2	Complies with CAN/CGSB 51.33



APPLICATION

Follow the INTELLO Installation Instructions - Metal Frame found on www.475.supply. For all connections and overlaps use system components of ProClima's Intelligent Airtight System. Use TESCON VANA for overlaps, TESCON PROFIL for corner connections, CONTEGA HF to adhere to rough or uneven substrates, ROFLEX for pipes penetrations, etc. INTELLO X can be used as a vapor retarder and airtightness membrane for all externally vapor permeable membranes, e.g. with roof underlay (pro clima SOLITEX MENTO), wood fibreboard, or vented sheathing. Additional suitable for a high level of 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). INTELLO X can be used as a WRB and temporary roof underlayment during the construction phase for roof pitches of 3:12" (>15 degrees) and higher. It has been rated for 2 month weather and UV exposure.

GENERAL CONDITIONS

Pro Clima INTELLO X should be laid with the printed side facing the installer. If insulation is installed on top of membrane, make sure the weight is supported by the structure, not the membrane itself, or that the membrane is supported by battens in case of blown in dense packed insulation, with appropriate staple distances 2" (50mm o.c). Overlap the membranes by at least 4" (10 cm). Use fastening staples that are at least 3/8" (10 mm) wide by 5/16" (8 mm) long to attach the membranes. For temporary roof protection the membranes can only be fastened in a protected manner in the overlap area. Use TESCON NAIDECK when fastening battens to the structure when used as a temporary roof underlayment. For complete installation instructions visit www.475.supply.

Please note: Airtight seals can only be achieved on vapor control membranes that have been laid without folds or creases. Prevent excessive interior humidity (e.g. during the construction phase) by providing sufficient ventilation. Natural ventilation is generally not adequate to quickly evacuate large amounts of construction-related humidity (curing concrete, tiling, drywall compounding, plastering etc). Use a dehumidifier if necessary.

To prevent condensation in cavities, INTELLO X should be taped and sealed airtight immediately after installing the thermal insulation. This particularly applies when working in winter.

Note: Double-wide roll arrives folded for easier delivery. Fold is 2" off center to allow stapling before unfolding.

