

RTMAX[®] ACRYLIC

AIR & VAPOUR BARRIER

SEALING TAPE

★ **NO PRIMER NEEDED** ★

AAMA 711-20
LEVEL 3 CERTIFIED

MEETS THE
STANDARDS
OF THE

★ **PASSIVE HOMES**
★ **FORTIFIED HOMES**

RTMAX[®] is a strong, air, vapour, and water-impermeable membrane with an aggressive, high-tack, acrylic pressure-sensitive adhesive that does not require the use of a primer on most construction surfaces.

RTMAX[®] is made of a special UV-stabilized, durable, flexible, and tear-resistance polyolefin film with aggressive solvent-free acrylic adhesive and easily removed split paper release liner. It is fully compliant with AAMA 711-20 Voluntary Specification for Self-Adhering Flashing used for installation of exterior wall fenestration products. It is suitable for all kinds of hot, and cold environments. RTMAX[®] ensures optimal energy-efficient performance.

FEATURES & BENEFITS

- ★ Adheres to many common construction materials including glass mat gypsum board and insulation boards, wood, aluminum, galvanized metal, vinyl, OSB, polyethylene, polypropylene, polystyrene, fibreglass, smooth masonry, and concrete.
- ★ Impermeable to air, moisture vapour and water.
- ★ Flexible and easily shaped.
- ★ 365 Days UV Resistance.
- ★ Compatible with many building sealants.
- ★ Service Temperature from -40° to 110°C (-40° to 230°F).
- ★ Can be applied to substrates from -20° to 40°C (-4° to 104°F).
- ★ High performance in hot and cold conditions.
- ★ Superior ageing resistance for long-term air sealing and building durability.
- ★ Fast and easy installation with split release liner.
- ★ Self-seals around nails staples and screws.
- ★ Meets the requirements of AAMA 711-20, ASTM E2178, ASTM E2357, CAN/ULC S741.

APPLICATIONS

- ★ Self-adhered air, vapour, and water barrier for commercial and residential applications making enclosure system air and watertight.
- ★ Sealing around roof, windows, doors, skylights and other joinery seams and openings.
- ★ Suitable for interior and exterior use as sealing tape.
- ★ Sealing joints in building wrap and rigid air barriers.
- ★ Flashing pipe penetrations through building wraps and rigid air barriers.
- ★ Roof deck seam tape & wall sheathing seam tape.
- ★ Can be used to transition the building envelope from one substrate to another, or other openings and penetrations.
- ★ Sealing overlaps (end laps and side laps) of air and water-resistive barriers.



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TOOLS REQUIRED

- Tape Measure
- Knife
- Smoothing Roller

SURFACE PREPERATION

The surface must be clean, dry, free of frost, damage, dust, dirt, oil, or other foreign matter that may interfere with the adhesion of the tape. The concrete surface must be cured min of 7 days before application. Block or Brick wall should have mortar joints stuck flush. Confirm suitability by installing a sample of the tape, allowing it to cure for 12 hours and testing adhesion.

STORAGE /SHELF LIFE

To obtain the best performance, use this product within 24 months from the date of manufacture. Store in an unopened, undamaged original sealed box in dry conditions and away from direct sunlight at temperatures between 5° to 40°C (41° to 104°F) with 40 to 60% relative humidity.

LIMITED WARRANTY

RTMAX® Tape is covered by the Standard 10 Year Limited Warranty. Which warrants materials to be free from leaks caused by defects in material or manufacturing for a period of ten (10) years from the date of purchase when applied according to published directions.

INSTALLATION

1. To obtain the best adhesion, RTMAX® should be installed when outdoor temperatures range from -20°C (-4°F) to 40°C (104°F).
2. Install RTMAX® Tape centred over the seam, removing the release liner gradually to prevent contamination of the adhesive prior to application. Activate the adhesive by applying pressure using a rubber or steel roller.
3. RTMAX® does not need a primer on most construction surfaces. It is ready to apply as soon as the release liner is removed. The adhesive is overly aggressive and quickly bonds to substrates. Do not contaminate the starting strip with dust or debris before applying it to the intended surface. Be careful when aligning product on the wall as repositioning may be challenging. If appropriate adhesion is not obtained due to uncontrolled conditions then acrylic based adhesive primer will be required.
4. Once aligned, set the membrane in place by rolling the product back against the exposed adhesive. Unwind the roll while simultaneously pulling the release liner, maintaining pressure against the wall to tack the membrane in place. Wipe the membrane down with a feathering motion from the middle outward to obtain a smooth surface. For best air barrier membrane performance, roll the membrane with a rubber roller to ensure a tight seal against the wall and between overlapped edges.





PROPERTIES	TEST METHOD	RT40 MAX (TYPICAL VALUE)
Colour		White Film With Red Printing
Top Surface		Corss Laminated PE Film
Bottom Release Liner		Polycoated Kraft Paper
Nominal Thickness	ASTM D 5147	14 mil (0.35 mm)
Nail Sealability	ASTM D 1970	Pass
Lap Sealability	ASTM D 1970	Pass
UV Exposure	ASTM G90	12 Month
Tensile Strength	ASTM AAMA 711 Sec 5.1	MD 29 lbs/in/ (5.1 kN/m) CD 25.7 lbs/in (4.5 kN/m)
Permeability	ASTM E96	0.033 Perms
Air Permeance	ASTM E2178	Pass (0.0090 L/s·m ²) @ 75 Pa
Air Leakage Rate Classification	CAN/ULC-S742	A1
Water Resistance	ASTM D779	No Leakage
Service Temperature		-40°C (-40°F) to 110°C (230°F).
Low Temperature Flexibility	ASTM D 1970	Pass
Application Temperature		-20°C (-4°F) to 40°C (104°F).
Elongation	ASTM D2523	MD 600% CD400%
Mold Growth	ASTM G-21	0 Fungal Growth

90° PEEL ADHESION

Adhesion To Plywood	ASTM 711 Sec 5.3	Pass
Adhesion To OSB		Pass
Adhesion To Facer		Pass
Adhesion To Anodized		Pass
Aluminum		Pass
Adhesion To Extruded PVC		Pass
Accelerated Aging With UV-A	Conditioning Per AAMA 711-20	Pass
Elevated Temperature Exposure		Pass
Thermal Cycling		Pass
Adhesion After Water Immersion		Pass
Chemical Compatibility With Tested Sealant	ASTM 711-20	Pass / Level 3 Thermal Exposure (80°C/176°F for 14 days)
No Peeling	Resistance To Peeling From Itself AAMA 711-20	Pass
No Buckling		Pass
No Rippling		Pass
0mm - Max Edge Curl		Pass
0mm - Max Corner Curl		Pass

*Test data is based on average taken over several production runs of control/non-conditional specimens and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values + 10%.

Roll Size	2.4"x75'	4"x75'	6"x75'	36"x75'
Rolls / Box	30	18	12	
Rolls / Pallet	1200	720	480	63
Pallet Weight	570 Kg	590 Kg	610 Kg	510 Kg



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