

DESCRIPTION

- The A-FLEX SEALANT and A-FLEX MESH system is a rubber-based liquid copolymer membrane combined with a polyester spunbond mesh and mat to seal openings and other joints.

USE

- The liquid applied A-FLEX SEALANT is used in conjunction with the A-FLEX MESH. They are used to seal window and door openings, over expansion joints, where dissimilar substrates meet and anywhere else water infiltration may be of concern. The A-FLEX SEALANT and MESH can be applied over glass-mat sheathing, wood, concrete or masonry, metal, styrene and polyethylene surfaces to form a durable air and weather resistant barrier (WRB) membrane. .

PACKAGING

- A-FLEX SEALANT :
 - 18 Kg (39.6 lb) plastic pail.
 - 4.5 Kg (9.9 lb) pail.
- A-FLEX MESH :
 - Roll length is 54.9 m (180 ft) linear.
 - Roll width: available in 4 or 6 inches.

COVERAGE

	4L container	20L container
4" wide mesh	91 li. m (300 li. ft)	457 li. m (1500 li. ft)
6" wide mesh	61 li. m (200 li. ft)	305 li. m (1000 li. ft)

- Coverage will vary based on the substrate, the job conditions and the individual application techniques.

SURFACE PREPARATION

- A-FLEX SEALANT and MESH system must be installed over an approved substrate or over surfaces that have been specifically designed for the membrane
- Surfaces must be clean, dry, and in good condition, without efflorescence, grease, oil or paint.

MIXING (A-FLEX SEALANT)

- Ready to use.
- All other additives (antifreeze, accelerators, or otherwise) are strictly forbidden.

APPLICATION

- Apply a thin coat of A-FLEX SEALANT using a brush or roller over both sections to be joined and sealed. The use of gloves is recommended. Immediately embed the A-FLEX MESH in the liquid membrane to bridge the gap. A 2 inch overlap of the A-FLEX MESH on the substrate is required. Apply a second coat of A-FLEX SEALANT to fully wet and cover the A-FLEX MESH. For spaces larger than ¼ inch (6 mm), a backer rod is required to fill the gap before the application of the liquid membrane. A third coat is not necessary.

REQUIRED THICKNESS

- Thickness - Wet: 1.32 mm (52 mils).

Vapour Permeability

ASTM E 96-95: Requirement $\geq 170 \text{ ng/Pa}\cdot\text{s}\cdot\text{m}^2$
692 ng/Pa·s·m² ⁽¹⁾

Water Absorption (CCMC)

Requirement $\leq 0.004 \text{ kg}/(\text{m}^2 \text{ s}^{1/2})$
Pass.

Air Permeability

CNB section 5.4.1.2. and ASTM E-283: Requirement $\leq 0.02 \text{ L}/(\text{s}\cdot\text{m}^2)$
0.00064 L/(s·m²)

(1) The A-FLEX SEALANT membrane does not constitute a vapour barrier.

- Properties
- Test Method
- Result

CLEAN UP

- Immediately wash tools with water while material is still wet. Hardened material will have to be removed physically.

CURING

- Approximately 24 hours under normal climatic conditions.
- Curing time varies according to the temperature and the relative humidity.

LIMITATIONS

- Ambient and surface temperatures must be kept at or above 5 °C (41 °F) for a minimum of 24 hours.
- During installation, minimise the containers' exposure to temperatures over 32 °C (90 °F).
- The A-FLEX SEALANT and MESH must be covered within a maximum period of 30 days

STORAGE

- Protect material from direct sunlight, extreme heat and freezing temperatures.
- Store unused material in tightly sealed containers.

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