

### DESCRIPTION

- HYDROFLEX SEAL is a flexible, vapour permeable (breathable), roll-on weather resistant barrier (WRB) and air barrier component. (The HYDROFLEX SEAL membrane was previously known as the AKRIL-SEAL membrane)

### USE

- HYDROFLEX SEAL membrane is used as a second barrier against water infiltration and as an air barrier component over approved substrates such as plywood, OSB (oriented strand board), glass-mat faced gypsum board and concrete or masonry walls.

### PACKAGING

- 23 kg (50.6 lbs) in a 20L (5 US Gal) plastic pail.

### COVERAGE

- Up to 46.5m<sup>2</sup> (500ft<sup>2</sup>)/pail over plywood and OSB (oriented strand board).
- Up to 37m<sup>2</sup> (400ft<sup>2</sup>)/pail over glass mat faced gypsum board.
- Coverage will vary based on the substrate, the job conditions and the individual application techniques.

### SURFACE PREPARATION

- HYDROFLEX SEAL 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

- Ready to use.
- Mix the contents of the HYDROFLEX-SEAL pail until thoroughly blended. This will remove any settling of the contents due to storage.
- Small amounts of water may be added to adjust the consistency.
- All other additives (antifreeze, accelerators, or otherwise) are strictly forbidden.

### APPLICATION

- As a joint treatment compound over

sheathing (step 1):

- 1.Application of joint treatment may be installed using a trowel or appropriate sprayer
- 2.Install HYDROFLEX-SEAL, HYDROFLEX-WO or A-FLEX SEALANT over the sheathing board joints wide enough to embed A-FLEX MESH or appropriate Akrilon JOINT or STARTER MESH. Do not allow to dry.
- 3.Embed Akrilon A-FLEX MESH / JOINT MESH into the wet HYDROFLEX-SEAL / HYDROFLEX WO / A-FLEX SEALANT ensuring that the mesh extends a minimum 50mm (2") on either side of the joint.
- 4.Mesh installed over the sheathing joints must be fully embedded with HYDROFLEX-SEAL / HYDROFLEX WO / A-FLEX SEALANT. The imprint of the mesh may be slightly visible.

- As a weather resistant barrier (WRB) and air barrier component (step 2):

- 1.Apply HYDROFLEX-SEAL using a 10-15mm (3/8"-3/4") nap paint roller. HYDROFLEX-SEAL may also be trowel-applied or spray-applied.
- 2.Apply HYDROFLEX-SEAL over the substrate and treated sheathing joints to an approximate thickness of 0.25mm-0.35mm (10-15mils).
- 3.Ensure the HYDROFLEX-SEAL application is complete and without voids.
- 4.A two-coat application is required for CCMC projects.
- 5.When used as an air barrier component, HYDROFLEX-SEAL must be joined to other components of the system so that the air barrier is continuous in three dimensions.

### Vapour Permeability

ASTM E 96-95: Requirement  $\geq 170 \text{ ng/Pa}\cdot\text{s}\cdot\text{m}^2$

230  $\text{ng/Pa}\cdot\text{s}\cdot\text{m}^2$  <sup>(1)</sup>

### Adhesion

ASTM D-2197

To Concrete/Plywood = Pass,  $> 1.4\text{Mpa}$ .  
To Glass-Mat Faced Gypsum = Pass<sup>(2)</sup>

(1) The HYDROFLEX SEAL membrane does not constitute a vapour barrier.

(2) Substrate failed before the bond of the HYDROFLEX-SEAL broke

- 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  $5 \text{ }^\circ\text{C}$  ( $41 \text{ }^\circ\text{F}$ ) for a minimum of 24 hours.
- During installation, minimise the containers' exposure to temperatures over  $32 \text{ }^\circ\text{C}$  ( $90 \text{ }^\circ\text{F}$ ).
- The HYDROFLEX SEAL membrane must be completely dry before ADEX insulation boards are installed.
- The HYDROFLEX SEAL membrane 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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