TexNov

TEXPRO FLEXSTOP

Liquid membrane – Water-Barrier and Air-Barrier

FLEXSTOP

Liquid membrane – Water-Barrier and Air-Barrier to waterproof the substrate

1-Product description

FlexStop is a flexible, ready-to-use membrane that is just a single component, and acts continuously as an air and water barrier. It is a 100% acrylic product that is easy to apply. The product is designed to be applied with a flat trowel on wood, Aspenite (OSB) or plywood, concrete or gypsum to increase resistance to a building's climate. ***FlexStop*** will remain elastic and flexible even in cold temperatures, and can be used as an adhesive for insulating panels.

Two layers are required when used as an adhesive for CCMC projects. The total minimum thickness of ***FlexStop*** is 1/16" (1.6 mm) wet when applied in the two layers. ***FlexStop*** contains fiber to increase its filling power and all joints must be reinforced with 3" trellis.

FlexStop is approved as an adhesive for bonding insulation (EPS) on CCMC projects. A first coat must be dry before using the second coat as an adhesive.

Characteristics	Advantages
Resistance to water.	Prevents infiltration.
Resistance to vapor.	Moisture is not trapped in the walls.
Resistance to air.	Reduces condensation and heating costs.
No joint.	Uniform membrane.

2-Covered surface area

For one layer:
11.4 L covers approximately 150 pi^2 (14 m^2)
18.9 L covers approximately 240 pi^2 (22 m^2)

3-Product properties

FlexStop is an easy product to use. ***FlexStop*** is used as an adhesive insulation should be pushed in place (and not slipped) when ***FlexStop*** is still wet.

For some special projects, ***FlexStop*** can be covered directly with finishing plaster.

4-Installation

Temporary protection:

While the entire application of the ***FlexStop*** membrane, insulation panels, the flashing membranes, flashings, the base coat layer, the finishing and sealing layer, is not completed, the wall must be protected against rain, weather and possible other damage.

Surface preparation:

The surface of the substrate on which the protective ***FlexStop*** membrane is applied must be dry, clean, free from dust, wax, grease, oil, rust, or any other dirt can that lessen adhesion before application.

Product application:

Mix the product with a drill that has a corrosion-resistant bit before use. Care should be taken to not allow air to enter the product during mixing. No additives and no water should be added to the product. Use a flat trowel to apply, and incorporate 3" (7.62 cm) mesh strips on the joints when the ***FlexStop*** is still wet. The total minimum thickness of ***FlexStop*** is 1/16" (1.6 mm) wet when applied in the two layers (mandatory for CCMC jobs).

During installation of the product:

The air and ambient temperature must be between 5°C (41°F) and 40°C (104°F) and must remain so for a minimum of 24 h.

Drying:

FlexStop drying time depends on the air temperature, wind and relative humidity. In normal drying conditions (20°C and 50% RH), the surface is dry to the touch after approximately 3 hours.

Cleaning:

Clean the tools with water while the ***FlexStop*** mixture is still wet.

No screws or mechanical fasteners used to secure the insulation shall pass through the ***FlexStop*** on CCMC projects.

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5-Storing the product

FlexStop must be stored in its original container at a temperature of 5°C (41°F) to 40°C (104°F) in a dry place protected from the sun's rays. Keep away from frost. The service life of the product is 1 year.

6-Transportation conditions

Regulated shipping name: not applicable.
TDG category: Not regulated.

Note: This product requires no special measures for international transport.

Mixture Properties	
Solid	73 %
pH	8.7
Viscosity Brookfield DV2T Spindle H6 (10 rpm)	70 000 cps
Density at 20°C (g/cm^3)	1.36

Performance of *FlexStop*	
Test and method Requirement	**Results**
Transmission of water vapor **CCMC 5.3.4 / ASTM E96***[1]	20.1 perms*[2]
Adhesion*[3] **CCMC 5.3.3 / ASTM D1623** ≥0.3 MPa	0.40 MPa (Aspenite & EPS) 0.43 MPa (plywood) 0.48 MPa (concrete)
Water absorption coefficient **72 h CCMC 5.4.4 /ISO 15148** ≤0.004 kg / (m^2 • s$^{1/2}$)	0.0005 kg / (m^2 • s$^{1/2}$)
Joint strength CCMC 5.4.7 No adverse effects	Successful
Resistance to water transmission*[4] **CCMC 5.4.7** ≤0.00020 g / m^2 • s	0.00016 g / m^2 • s
Nail lift resistance **CCMC 5.4.8** No adverse effects	Successful
Accelerated aging resistance **CCMC 5.4.6 / ASTM G154** No adverse effects 250 h	Successful
Drainage capacity **CCMC 5.5.3** Drainage ≥ 98% Water retention ≤ 40g /m^2	99.4% 17g /m^2

*[1] *According to ASHRAE 2009, a vapor permeable product should have ≥10 perms and a vapor barrier should have ≤0.1 perms.*

*[2] *Test carried out according to ASTM E96-procedure B (water), at TexNov's laboratory, no substrate, film thickness 1.6 mm.*

*[3] *Waterproofing coatings can also be used as an adhesive to bond the insulation to the membrane. If the product has been approved for this purpose the CCMC will emit a membrane / insulator adhesion value.*

*[4] *Measured after elongation and cyclic environmental conditions induced.*

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