ELASTOROLL

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

1- Product description

Elastoroll is flexible, ready-to-use coating 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 roll or brush on wood, Aspenite (OSB) or plywood, concrete or gypsum to increase resistance to a building's climate.Elastoroll will remain elastic and flexible even in cold temperatures.

Two layers are required for waterproofing of the surface. The minimum thickness of Elastoroll is 1/16 "(1.6 mm) wet when applied to the total of the two layers.

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

An 17Lt container (20 kilos) of Elastoroll covers approximately 50 to 60 m².

3- Product properties

Elastoroll is an easy product to use.

Elastoroll can be used as an elastomeric finishing coating. The product is specially formulated to resist the accumulation of dust.

4- Installation

Temporary protection: While the entire application of the Elastoroll 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 Elastoroll 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.

For some projects, Elastoroll can be covered directly with finishing plaster.

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: The drying time of Elastoroll 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 2 hours.

Cleaning: Clean the tools with water while the *Elastoroll* mixture is still wet.

5- Storing the product

Elastoroll 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	70 %
pH	8.7
Viscosity Brookfield DV2T Spindle H6 (10 rpm)	30 000 cps
Density at 20°C (g/cm^3)	1.25

Performance of *Stef-Tek RLX*[*4]	
Test and method requirement	Results
Transmission of water vapor CCMC 5.3.4 / ASTM E96*[1-2]	1150 ng/Pa·s·m^2 (20.1 Perms)
Adhesion*[3] CCMC 5.3.3 / ASTM D1623 ≥0.3 MPa	0.40 MPa (Aspenite and 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$^{1/2}$)
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

* 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 STEF's laboratory, no substrate, film thickness 1.6 mm.

* 3 Measured after gasket elongation and cyclical environmental conditions induced.

* 4 Internal result obtained in the laboratory of STEF coatings according to the ASTM standard in force and to the best of our knowledge.

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