

Technical Data Sheet

Liquid Rubber® JointFiller

WATERPROOFING AND PROTECTIVE SEALANT

PRODUCT DESCRIPTION

Liquid Rubber JointFiller is an elastomeric, modified bitumen emulsion specially developed for application with a caulking gun. **Liquid Rubber JointFiller** is a cold-applied 1-component sealant designed for a wide range of applications. The product results in a joint filling with excellent strength, elasticity, and adhesion.

Liquid Rubber JointFiller is an environmentally friendly product that can be applied both indoors and outdoors without special protective equipment. Liquid Rubber JointFiller can be used for waterproofing, air sealing, and corrosion protection.

Liquid Rubber JointFiller can be applied as a joint sealant on concrete, wooden, and various other surfaces.

APPLICATION

General

Liquid Rubber JointFiller is an environmentally friendly water-based alternative to solvent-based protective waterproofing and airtight sealants. After curing, the product forms a seamless and permanently flexible joint filling.

Liquid Rubber JointFiller is a 1-component product that can be applied using a caulking gun.

As **Liquid Rubber JointFiller** cures by evaporation, an application temperature of 10–20 °C is optimal.

Preparation and Application

Liquid Rubber JointFiller must be applied on a dry surface that is free of dirt, debris, oil or grease. The substrate should be thoroughly degreased before application. Application is not recommended when rain is expected or in humid environments.

Drying time strongly depends on the thickness of the applied joint filling and may vary depending on temperature and relative humidity.

Important: when applying large quantities of joint filling, the product should be applied in multiple layers. **Liquid Rubber JointFiller** can shrink up to 25%. The surface should be degreased again before applying the next layer.



LIMITATIONS

Liquid Rubber JointFiller is mildly alkaline. During application, standard safety precautions should be observed. Wear gloves, eye protection, and other suitable protective equipment. Refer to the Safety Data Sheet for more information.

WARNING

Liquid Rubber JointFiller must not be applied when the ambient temperature is below 5 °C.

An incompletely cured membrane may be damaged if it freezes. Do not apply on wet substrates or when rain is expected.

For professional use only. Keep out of reach of children.

TECHNICAL SERVICE

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PHYSICAL PROPERTIES (LIQUID)

Property	Typical Results
Color	Brown (liquid) to black (cured membrane)
Specific gravity (liquid/cured membrane), g/cm ³	Approx. 1.0
Odor	None
Volatile Organic Compounds (VOC)	Contains no solvents
Solids content	53–58%
Viscosity, Brookfield (cps)	28.000 – 38.000
pH	10–12

PERFORMANCE (CURED MEMBRANE)

Property	Typical Results
Water absorption coefficient – NEN-EN-ISO 15148:2002	0.00011 kg/m ² ·s ^{0.5}
Water impermeability – EN 1062-3	Class W3 (0.0014 kg/m ² ·h ^{0.5})
Crack bridging – EN 1062-7:2004 Method A – C.2	Class A5 (> 2.5 mm), passed
Adhesion to concrete – EN 1542	1.6 N/mm ²
Adhesion to wet concrete – EN 13578	1.5 N/mm ²
Elongation at break – EN ISO 527-3 / ASTM D638	650%
Elastic recovery – CGSB 37.58	> 50%
Air permeability – EN 12114 / ASTM E2178	0.0004 L/(s·m ²) at 75 Pa
Airtightness – EN 1928:2000	Passed
Salt spray resistance – EN ISO 9227 / ASTM B117	Passed (>1,200 hours)
UV resistance – EN 1062-11 / EN ISO 4628-2-5	No degradation
Chemical resistance – EN 1062-6 / EN 1062-11	No degradation
Thermal compatibility – EN 13687-1 / EN 13687-2	No degradation

DECLARATION OF PERFORMANCE

according to Regulation (EU) No 305/2011
(Construction Products Regulation)