

Technical Data Sheet

## Liquid Rubber® SprayGrade

WATERPROOF AND UV-RESISTANT PROTECTIVE COATING

### PRODUCT DESCRIPTION

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**Liquid Rubber SprayGrade** is an elastomeric, modified bitumen emulsion; an environmentally friendly, water-based product that is free from volatile organic compounds (VOCs) and is cold-applied. After curing, the product forms a seamless, permanently elastic membrane.

**Liquid Rubber SprayGrade** is used as a waterproof and UV-resistant membrane for roof protection or roof overcoating, decks, and various timber structures.

### APPLICATION

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#### General

**Liquid Rubber SprayGrade** forms a seamless and elastic membrane that protects against the ingress of water, salts, and other chemicals. The product can also be used as corrosion protection on steel and other ferrous materials.

**Liquid Rubber SprayGrade** is additionally suitable for application on various types of roofing membranes, concrete, boards/panels, and other suitable substrates.

**Liquid Rubber SprayGrade** is a two-component system consisting of two separate components that are automatically mixed during application by the HVLP spray system.

#### Preparation and Application

The substrate must be dry, clean, and free from dust, dirt, grease, and oil. Application must not take place during rain or under wet conditions.

**Liquid Rubber SprayGrade** is applied using an HVLP two-component spray system, specifically developed for Liquid Rubber products.

#### Consumption and Drying Time

**Liquid Rubber SprayGrade** is applied at a consumption rate of 2.7 kg/m<sup>2</sup> to achieve a membrane thickness of 2 mm.

At an ambient temperature of 20 °C, **Liquid Rubber SprayGrade** becomes touch-dry within 1 minute and is fully cured after 24-48 hours. Curing time depends on temperature and relative humidity.

An experienced applicator can spray an average of 350–750 m<sup>2</sup> per day. If additional protection is desired, a protective or insulation layer can be applied on average 20 minutes after application.



### LIMITATIONS

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**Liquid Rubber SprayGrade** is mildly alkaline. During application, standard personal protective equipment must be worn, including gloves and eye protection. Please consult the Safety Data Sheet (SDS) for additional safety information.

**Liquid Rubber SprayGrade** must not be applied at an ambient temperature below 5 °C. An uncured membrane may be damaged if it freezes. Do not apply to wet or frozen substrates or immediately prior to rainfall.

### WARNING

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For professional use only. Keep out of reach of children. Storage and use must comply with applicable safety guidelines. Consult the Safety Data Sheet (SDS) before use.

### TECHNICAL SERVICE

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## PHYSICAL PROPERTIES (LIQUID)

Property	Typical Results
Color	Brown (liquid) to black (cured membrane)
Specific gravity (liquid), g/cm <sup>3</sup>	Approx. 1.0
Odor	None
Volatile Organic Compounds (VOC)	Contains no solvents
Solids content	53–58%
Viscosity, Brookfield (cps)	1 – 100
pH	10–12

## COVERAGE

### Cured membrane

<b>mm</b> 2.00	<b>kg/m<sup>2</sup></b> 2.7	<b>sealing</b> waterproof
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## PERFORMANCE (CURED MEMBRANE)

Property	Typical Results
Water absorption coefficient – NEN-EN-ISO 15148:2002	0.00011 kg/m <sup>2</sup> ·s <sup>0.5</sup>
Water vapour diffusion resistance – EN ISO 7783:2011	Sd > 50 m (154 m) (Class III, vapour-tight)
Water impermeability – EN 1062-3	Class W3 (0.0014 kg/m <sup>2</sup> ·h <sup>0.5</sup> )
Depth of water penetration under pressure – NEN-EN 12390-8	7.5 bar
CO <sub>2</sub> diffusion resistance – EN 1062-6 / EN 1062-11	Sd > 50 m (485 m)
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 <sup>2</sup>
Adhesion to wet concrete – EN 13578	1.5 N/mm <sup>2</sup>
Elongation at break – EN ISO 527-3 / ASTM D638	1200%
Elastic recovery – CGSB 37.58	> 50%
Hardness – EN ISO 868 / ASTM D2240	74.6 Shore 00
Air permeability – EN 12114 / ASTM E2178	0.0004 L/(s·m <sup>2</sup> ) 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
Ageing stability of tensile strength – EN ISO 527-3 / ASTM D638	90% retention of tensile strength

## DECLARATION OF PERFORMANCE

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