

## Technical Data Sheet

# Liquid Rubber® HBS200

## HIGH-BUILD WATERPROOFING SEALANT AND COATING

### PRODUCT DESCRIPTION

**Liquid Rubber HBS200** is an elastomeric, modified bitumen emulsion specifically developed for application by brush, roller, or airless spray system.

**Liquid Rubber HBS200** is a cold-applied, single-component product designed for a wide range of applications. The product technology of Liquid Rubber HBS200 provides a solvent-free, fast-curing coating, resulting in a membrane with excellent elasticity, and adhesion.

**Liquid Rubber HBS200** is an environmentally friendly product that can be applied both indoors and outdoors without the need for special protective equipment. Liquid Rubber HBS200 is used as a protective coating for waterproofing, airtightness, and corrosion protection.

The coating can be applied to concrete, wood, steel, aluminum, PVC, roofing membranes, and various other substrates. Due to the high viscosity of **Liquid Rubber HBS200**, the coating can be applied to both horizontal and vertical surfaces.

### APPLICATION

#### General

**Liquid Rubber HBS200** is an environmentally friendly, water-based alternative to conventional hot-applied or solvent-based waterproofing systems. After curing, the product forms a seamless, flexible membrane.

**Liquid Rubber HBS200** is a single-component product that can be applied by brush, roller, or airless spray system. As Liquid Rubber HBS200 cures through a combination of environmental factors such as temperature, relative humidity, sunlight, and air circulation, an application temperature of 10–20 °C is optimal.

#### Preparation and Application

**Liquid Rubber HBS200** must be applied to a dry surface that is free from dirt, debris, oil, and grease. Application is not recommended if rain is expected or in damp environments.

The product is fully cured within 24 hours at 20 °C and a relative humidity of 50%.

When bridging cracks, joints, gaps, or holes, the use of geotextile reinforcement is recommended. Please contact Liquid Rubber Europe for further information.

#### Consumption and Drying Time

**Liquid Rubber HBS200** must be applied at a coverage rate of 1.35 kg/m<sup>2</sup> for airtightness and 2.7 kg/m<sup>2</sup> for waterproofing in order to achieve layer thicknesses of 1 mm and 2 mm respectively.

**Liquid Rubber HBS200** becomes touch-dry within minutes at 20 °C and is fully cured after 24 hours. Drying times may vary depending on temperature and relative humidity.

If a greasy or contaminated layer forms on the **Liquid Rubber HBS200** during curing, degrease the membrane before applying a subsequent layer.



### LIMITATIONS

**Liquid Rubber HBS200** is mildly alkaline. Observe standard safety precautions during application and wear gloves, eye protection, and other appropriate personal protective equipment. Please consult the Safety Data Sheet (SDS) for further information.

### WARNING

**Liquid Rubber HBS200** 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 to wet substrates or when rain is expected. Some substrates, such as coal tar, are not suitable for use with **Liquid Rubber HBS200**. For professional use only. Keep out of reach of children. Store the product out of direct sunlight, at a maximum temperature of 32 °C (90 °F) and a minimum of 5 °C (41 °F).

### 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)	15,000–25,000
pH	10–12

## COVERAGE

### Cured membrane

mm	kg/m <sup>2</sup>	sealing
1.00	1.35	airtight
2.00	2.7	waterproof

## 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 (156 m) (Class III, vapour-tight)
Water impermeability – EN 1062-3	Class W3 (0.0015 kg/m <sup>2</sup> ·h <sup>0.5</sup> )
CO <sub>2</sub> diffusion resistance – EN 1062-6 / EN 1062-11	Sd > 50 m (449 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	900%
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)