Technical data sheet

HBS200

Water sealant and air barrier coating

HBS200 Industrial is a modified elastomeric asphalt emulsion specifically formulated to be applied by brush, squeegee or specially designed spray equipment. **HBS200** Industrial is a cold applied single component product designed for a wide range of protective coating applications. The product technology employed in **HB S-200** Industrial provides a solvent-free, quick setting coating that yields a membrane with excellent strength, elasticity and adhesion.

HBS200 Industrial is an environmentally friendly waterproofing product which can be applied indoors and outdoors with no special protective equipment. HB S-200 Industrial is used as a protective coating to prevent water- and corrosion damage and as air barrier. **HBS200** Industrial can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. It may also be applied to concrete structures, slabs and parking decks. The high viscosity of **HBS200** Industrial allows it to be used to cover small cracks, or to coat vertical surfaces

APPLICATION

HBS200 Industrial is a water based environmentally safe product, which is cold-applied and nonsolvent. When cured it will form a seamless flexible membrane. **HBS200** Industrial is a single component product that may be applied using a brush, roller or squeegee. It may also be spray applied using a specially designed spray system.

Since **HBS200** Industrial cures by evaporation, an application temperature of 15-20°C is recommended. Apply in thin coats. The product fully cures within 24 hours at 20°C (70°F) and 50% relative humidity, when applied at a thickness of 40 mils (1 mm). **HBS200** Industrial should be applied to a dry surface which is free of dirt, debris, oil or grease. Application is not recommended if heavy rains are imminent, or in high humidity environments. For best results apply in thin coats. With joints or cracks in the surface a fabric reinforcing layer may be recommended. See application manual or consult with your Liquid Rubber Europe representative for further details.

HBS200 Industrial is applied between 0.3-0.7 m2/liter (15-30 ft2/gal) to produce a 40-120 mil (1-3 mm) protective membrane. Typically **HBS200** Industrial dries to the touch in one minute @20°C and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity.

Important: During curing process there is formed a greasy layer on the **HBS200**. Degrease the membrane before the next layer will be applied.

LIMITATIONS

HBS200 Industrial is mildly alkaline. When applying this product observe appropriate safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS

CAUTION

HBS200 Industrial should not be applied when the outside temperature or surface temperature is lower than 5℃. The uncured membrane may be damaged if frozen. Do not apply to wet surfaces or directly before a rain. Some surface base coat materials such as coal tar are unsuitable for use with **HBS200** Industrial. For industrial use only. Keep out of the reach of children. Do not apply if rain is imminent within 24 hrs. Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).

TECHNICAL SERVICE

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PHYSICAL PROPERTIES (liquid)

PROPERTY	TYPICAL RESULT
Color	Brown to black
Specific gravity (liquid), g/cm3	Approx. 1.0
Odour	None
Volatile Organic Compound VOC	Contains no solvents
Solids %	53 – 58%
Viscosity Brookfield CPS	17.000-25.000
pH	10 – 12

COVERAGE

CURED MEMBRANE

mm	kg/m2
1.00	1.35
2.00	2.7
3.00	4.05

PERFORMANCE (Cured membrane)

PROPERTY	TYPICAL RESULT
Color	Black
Specific gravity g/cm3	Approx. 1.0
Water absorption NEN-EN-ISO 15148:2002	0.00011kg/m^2.$sec^{0.5}$
Water vapor transmission NEN-EN-ISO 7783:2011	0.59 g/m^2*24h
Crack bridging ASTM C1305	Passed
Adhesion to concrete ASTM C836-10 (peel)	3.590 N/m
Adhesion to concrete ASTM C836-10 (peel) heat aged	5.600 N/m
Tensile strength ASTM D638	Passed (>90% original value)
Elongation % ASTM D638	850%
Recovery %	>90%
Salt resistance ASTM B117-09	Passed >1200h
Air permeability ASTM E2178	0.0004 L/(s.m^2) at 75 Pa
UV resistance ASTM G-155	Passed exposure >250h

DECLARATION OF PERFORMANCE

Construction Products Regulation (CPR) EU 305/2011

CE **according to EN 15148**