

Technical data sheet

HBS200

HIGH BUILD WATERPROOFING AND AIR BARRIER COATING

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

HBS200 is an environmentally friendly waterproofing product which can be applied indoors and outdoors with no special protective equipment. **HBS200** is used as a protective coating to prevent water- and corrosion damage and as air barrier. **HBS200** 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** allows it to be used to cover small cracks, or to coat vertical surfaces.

APPLICATION

HBS200 is a water based environmentally safe product, which is cold-applied and nonsolvent. When cured it will form a seamless flexible membrane. **HBS200** 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.

Apply in thin coats. **HBS200** 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. Consult with your Liquid Rubber Europe representative for further details.

HBS200 is applied between 1,35kg-2,7kg/m² to produce a 1-2mm protective membrane. Typically, **HBS200** dries to the touch in one hour and is completely cured in 24 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 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 should not be applied when the outside temperature or surface temperature is lower than 5 °C. 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**. 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 results |
|--|----------------------|
| Color | Brown to black |
| Specific gravity (liquid), g/cm ³ | 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 |

USAGE

Cured membrane

| mm | kg/m ² | seal |
|------|-------------------|------------|
| 1.00 | 1.35 | airtight |
| 2.00 | 2.7 | waterproof |

PERFORMANCE (Cured membrane)

| Property | Typical results |
|---|------------------------------------|
| Color | Black |
| Specific gravity g/cm ³ | Approx 1.0 |
| Water absorption NEN-EN-ISO 15148:2002 | 0.00011kg/m ² .sec0.5 |
| Water vapor transmission NEN-EN-ISO 7783:2011 | 0.59 g/m ² *24h |
| Crack bridging ASTM C1305 | Passed |
| Adhesion to limestone | 2,1 n/mm ² |
| Adhesion to PVC | 1,4 n/mm ² |
| Adhesion to zinc | 1,9 n/mm ² |
| Adhesion to aluminum | 2,7 n/mm ² |
| Adhesion to concrete | 3,7 n/mm ² |
| Adhesion to wood | 2,9 n/mm ² |
| 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 |
| UV resistance ASTM G-155 | Passed exposure >250h |

DECLARATION OF PERFORMANCE

Construction Products Regulation (CPR) EU 305/2011

 according to EN 1504