

TECHNICAL DATA SHEET - HYDRA® RUBBER LM

DESCRIPTION

HyDra® Rubber LM is a modified elastomeric asphalt emulsion specifically formulated to be applied by brush, squeegee or specially designed spray equipment.

HyDra® Rubber LM is a cold applied single component product designed for a wide range of protective coating applications.

The product technology employed in HyDra® Rubber LM provides a solvent-free, quick setting coating that yields a membrane with excellent strength, elasticity and adhesion.

HyDra® Rubber LM is UV and acid resistant. The membrane is tested for a water pressure up to 8 bar.



BENEFITS

- Quick setting
- Solvent free
- Water based
- UV- and acid resistant



Solvent free



Moisture barrier
Wind breaking



EN 1504



Radon proof

USE

HyDra® Rubber LM is used as a protective coating to prevent water- and corrosion damage and as air barrier. HyDra® Rubber LM can be applied both indoors and outdoors.

HyDra® Rubber LM can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. It can be applied to concrete structures, slabs and parking decks.

The high viscosity of HyDra® Rubber LM allows it to be used to cover small cracks, or to coat vertical surfaces.

APPLICATION

HyDra® Rubber LM is a water based product, which is cold-applied and nonsolvent. When cured it will form a seamless flexible membrane.

HyDra® Rubber LM 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.

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APPLICATION - CONTINUED

Apply in thin coats. HyDra® Rubber LM 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.

With joints or cracks in the surface a fabric reinforcing layer may be recommended.

Consult with a HauCon A/S representative for further details.

HyDra® Rubber LM is applied between 1,35kg-2,7kg/m² to produce a 1-2 mm protective membrane. Typically, HyDra® Rubber LM 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 HyDra® Rubber LM. Degrease the membrane before the next layer will be applied.

HyDra® Rubber LM should not be applied when the outside temperature or surface temperature is lower than 5°C. The uncured membrane may be damaged if frozen.

In case of unstable weather conditions apply HyDra® Topshield to the newly applied membrane. HyDra® Topshield creates a protective outer layer.

Use hot water and soap to clean tools.

STRUCTURE

Apply 0,3-0,7 m²/L to structure a 2-3 mm thick membrane layer.

The average usage for a 1 mm thick membrane is 1,35 kg/m².

Apply at least 2 mm layer to ensure the membrane is waterproof.

Cured membrane (mm):

1 mm	1,35 kg/m ²
2 mm	2,70 kg/m ²
3 mm	4,05 kg/m ²

ACCESSORIES

- HyDra® Topshield
- HyDra® Rubber Primer
- HyDra® Joint Filler

TECHNICAL DATA

Color	Brown to black
Specific gravity	Approx. 1.0 kg/l
Odour	None
Volatile Organic Compound VOC	Contains no solvents
Viscosity Brookfield CPS	17.000-25.000 Pa·S
pH	10-12

PERFORMANCE (CURED MEMBRANE)

Water absorption	NEN-EN-ISO 15148:2002	0.00011 kg/m ² .sec0.5
Water vapor transmission	NEN-EN-ISO 7783: 2011	0,59 g/m ² * 24h
Crack bridging	ASTM C1305	Passed
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> 250t

PACKING, STORAGE AND DATE MARKING

Description	Packaging (pcs)	Pallet (pcs)
HyDra® Rubber LM 5 L	1	60
HyDra® Rubber LM 20 L	1	16

Life span: 120 years.

Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).

Shelf life in unopened packaging is 24 months.

Can last up to 12 months after opening if stored correctly and lid attached properly.

Clarification of date marking: (read from left to right)

Numbers	Meaning
1-2	Year
3-4	Week
5	Weekday
6-7	Batch

SAFETY DATA SHEET

Can be downloaded at www.haucon.dk.

CE-MARKNING

The product is CE-marked according to EN1504.



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