

TECHNICAL DATA SHEET - HYDRA BITUMEN REP

1-component bitumen repair and waterproofing membrane in the connection with the use of Hydra 1K Low-shrinkage, 2K Hydra Poly HyDra 1K Low-shrinkage and/or Hydra 2K Reactive acc. to 5814:2011+A2:2014.

Protects underground constructions against ground damp and permanent hydrostatic pressure depending on construction of the membrane, see under "Consumption".

Hydra Bitumen Rep can be used on vertical and horizontal surfaces, slabs, foundations, and basement walls. Adheres to bitumen and mineral surfaces as well as wood, plastic, and insulation.



Can be used for repairs of asphalt and fiber cement roofs.



Working temperature
+5°C to +30°C



Solvent-free & environmentally friendly



Ready to use



Applicable with pump/spray



Applicable with roll



Applicable with brush



Applicable with trowel/scrapper



UV-resistant



Radon protection



DS/EN 15814

SPECIFICATIONS

Features	Test Method	Result
Permanent hydrostatic pressure (see "Consumption")	EN 15820	7,5 mwc
Densitet		1,20 kg/l
Material shrinkage	EN 15819	38 %
Complete hardening / full loading capacity*		24 hours
Rain resistance	EN 15816	After 8 hours
Elongation at break		>700 %
Working and drying temperature		+5°C to +30°C
Dimensional stability	EN 15818	Up to 180°C
Crack-bridging	EN 15812	No damage with cracks ≤ 2 mm Dry layer thickness ≥ 3 mm
Water resistance	EN 15817	No colouring of water No debonding from inlay
Flexibility at low temperatures	EN 15813	No cracks
Reaction to fire	EN 13501-1	Class E
Compressive strength	EN 15815	0,30 MPa, with reinforcement ≥ 4 mm (dry)

Unlimited durability when installed correctly according to specifications.

* Time indications can vary depending on humidity, temperature, thickness and surface. Time indications are based on +23 °C og 50 % relative humidity.

PACKAGING AND STORAGE

20 kg bucket | 24 buckets/pallet | weight per pallet app. 480 kg.

Minimum 12 months shelf life when stored cold, dry and frost free in original packaging.

CONSUMPTION

For repairs you must make sure to have complete adhesion between the existing bitumen and Hydra Bitumen Rep. Minimum layer thickness according to existing membrane. At permanent hydrostatic pressure (max 7,5m water column) Hydra Armeringsvæv (reinforcement mesh) must be used between two layers of Hydra Bitumen Rep.

Minimum consumption: 1,5-2 kg/m² equivalent to an existing 2 mm membrane.

PREPARATION OF FOUNDATION

- The foundation must be dry, level, stable, frost free, clean and without traces of oil, grease, tare, rocks, dust and dirt, excess mortar, or other potentially contaminating substances.
- Mineral surfaces must be primed with Hydra Bitumen Primer (app. 0,1-0,2 l/m²)

APPLICATION

Hydra Bitumen Rep is ready to use and can be applied directly from the bucket.

- Hydra Bitumen Rep should be applied evenly in at least two coats.
- When Hydra Bitumen Primer has been applied, then this must dry first but remain sticky – **NB! Hydra Bitumen Rep must be applied with in 24 hours after the application of the primer.**
- Application in the necessary layer thickness is done by suitable equipment, trowel, scraper, or roll.
- Layer no. 2 must be applied as soon as the first layer is dry, so it does not get damaged
- The minimum dry layer thickness must be maintained across the entire work area
- The required wet layer thickness must not be exceeded with more than 100%.
- At work stop the membrane must be “scraped down to nothing” and must not end in/on a corner of the building
- Wet layer thickness is controlled with a layer thickness gage. The measuring must be documented
- Control the adhesion and dry layer thickness and document the results.
- Tools and equipment must be cleaned with water immediately after use

CE MARKING

The product is subject to Construction Products Regulation No. 305-2011 and is CE marked according to DS/EN 15814:2011+A2:2014. Declaration of performance (DoP) can be found at www.haucon.dk

SAFETY DATA SHEET

Safety data sheet (SDS) can be found at www.haucon.dk

Note: We reserve the right to make printing errors. The current version of data is always available at www.haucon.dk or can be requested by contacting our internal sales department. The current revision number is in the top left corner