

TECHNICAL DATA SHEET - HYDRA® SAM 1,5 WALL

HyDra® Sam 1,5 Wall is a self-adhesive, post-applied bitumen membrane for waterproofing and radon protection of concrete constructions.

The membrane is applied without welding and can be applied down to -5°C.

HyDra® Sam 1,5 Wall consists of HDPE foil and polymerised bitumen. The foil is the primary waterproofing in the membrane, whereas the polymerised bitumen is the self-adhesive part and functions as a secondary waterproofing.

The membrane is equipped with a 25 mm bitumen strip to ensure an optimal adherence in overlaps. The membrane is also equipped with "guidelines" for overlap to ensure a correct and efficient appli-ance.



ADVANTAGES

- ✓ Independent of weather conditions during application
- ✓ Self-adhesive, flexible, crack-bridging
- ✓ 25 mm bitumen strip for secure adherence of overlaps
- ✓ Instant waterproofing



Working temperature between -5°C & +30°C

Solvent free and eco-friendly

Radon protection

Bitumen strip for overlap

HDPE foil

DS/EN 13969
DS/EN 14967

Instant waterproofing



The pictures show the application of HyDra® Sam 1,5 Wall

APPLICATION

- HyDra® Sam 1,5 Wall can be applied to vertical and horizontal surfaces
- The membrane can be applied to mineral surfaces as concrete, lightweight concrete, brickwork etc.

INSTALLATION

We refer to the Installation Guide, which can be downloaded from HauCon's website: www.haucon.dk.

ACCESSORIES

- HyDra® Sam Tape
- HyDra® Sam Corner Tape
- HyDra® Sam Primer
- HyDra® Swelling Paste SX 100
- HyDra® Sealant

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.

TECHNICAL SPECIFICATIONS

Thickness:	1,5 mm
Width:	1.000 mm (975 mm + 25 mm bitumen strip)
Weight:	1,5 kg/m ²
Water vapour permeability:	Sd-value 235 m
Resistance to water pressure:	80 m hydrostatic pressure (8 bar)*
Resistance to water pressure on overlaps:	70 m hydrostatic pressure (7 bar)**
Radon diffusion coefficient:	1,49 x 10 ⁻¹³ [m ² x s ⁻¹]
Fire class:	Fire class E
Working temperature***:	-5°C til +30°C

* Tested by a test unit from the company "Form + Test Seidner" type "DP 3 MM". The test was carried out over 5 days.

** Tested by Vattenfall AB, R&D Laboratories. Hydrostatic pressure on overlaps.

*** Temperature: Membrane, construction and surrounding temperatures.

DELIVERY AND STORAGE

Delivery: 15 m² per roll. 15 rolls per pallet (weight app. 430 kg.)

Storage: Minimum 12 months durability in frost free storage. The rolls must be kept upright.

PRECAUTIONS

- Protect the bitumen strip against extreme heat and cold – before and during application.
- The working temperature of -5°C includes membrane, primer, construction and surrounding temperatures must be above -5°C. It is recommended to store and process the membrane and primer in a heated storage before use. Always ensure the surface temperature of the construction is above -5°C before applying the primer and membrane.

CE-MARKING

HyDra® Sam 1,5 Wall is CE-marked according to DS/EN 13969 and DS/EN 14967.

 0761 13	 Utkälllevägen 20, SE-694 35 Hallsberg www.hydra-tec.se
HyDra SAM 1,5 Wall DS/EN 13969:2004+A1:2006 Cold self-adhesive polymer bitumen membrane for waterproofing	
Reaction to fire Water tightness Resistance to impact-proof Shear resistance of joints Flexibility at low temperature Tensile strength: Max. tensile force (MD/CD) Elongation: Along Across Resistance to static loading Resistance to tearing Durability of water tightness after artificial aging Durability of water tightness against chemicals Dangerous substances	Euro class E Passed Proof, Method A ≤ 200 mm 230 ± 80 N / 50 mm ≤-30°C 240 ± 40 N / 50 mm 370 ± 100 % 320 ± 80 % Proof, Method B ≤ 5 kg 140 ± 40 N Passed Passed None

 0761 13	 Utkälllevägen 20, SE-694 35 Hallsberg www.hydra-tec.se
HyDra SAM 1,5 Wall DS/EN 14967:2006 Cold self-adhesive polymer bitumen membrane for waterproofing	
Reaction to fire Water tightness Resistance to impact-proof Durability of water tightness after artificial aging/decomposition Durability of water tightness against chemicals Flexibility at low temperature Dangerous substances	Euro class E Passed Proof, Method A ≤ 200 mm Passed Passed ≤-30°C None

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