

HYDRONYLON®

Liquid-applied roof waterproofing kits - external use

Product Technical Data Sheet

Edition 1/2021

HYDRONYLON®**HN** (TOP LAYER)

1. Product description and its application.

HYDRONYLON®HN**** is a polymer surface waterproofing compound that is a component of the **HYDRONYLON®** liquid-applied roofing waterproofing system.

HYDRONYLON®HN**** is used to create a top layer on previously prepared bituminous felt, metal, mineral, and PVC membrane substrates.

2. Execution instruction.

2.1 Product preparation.

The compound should be thoroughly mixed before application. Do not dilute.

2.2 Substrate preparation.

Bituminous felt substrate:

All sections of felt with weak adhesion, brittle, or flaking areas should be removed, and any gaps should be filled with new felt. Bubbles on the old covering should be removed. All accumulated dirt on the roof surface should be removed by thorough sweeping or vacuuming. If pressure washing the roof (for heavily soiled substrates) is necessary, the roof should be allowed to dry completely after washing (failure to comply with these requirements may result in blisters affecting the aesthetics of the roof covering). A filling base layer of **HYDRONYLON®**HP**** should be applied (refer to the technical data sheet for **HYDRONYLON®**HP****).

Mineral substrate:

Damaged, loose, and crumbling fragments should be removed, and any gaps should be filled. Then, prime with **PRIMER EMULSION (EG)** (refer to the technical data sheet for **PRIMER EMULSION (EG)**).

Metal substrate:

Corroded areas should be cleaned by thorough brushing of the entire corroded surface to grade St2. The substrate should be dry, clean, free from grease stains, dust, dirt, and loosely adhering parts. Old paint coatings should be well abraded before painting. It is recommended to wash the entire roof surface with pressure water (warm water is recommended) with the addition of a cleaning and degreasing agent. An anti-corrosion primer layer of **HYDRONYLON®**HMS(P)**** should be applied (refer to the technical data sheet for **HYDRONYLON®**HMS(P)****).

PVC membrane substrate:

The substrate should be thoroughly washed with pressure water (warm water is recommended) with the addition of a cleaning and degreasing agent. The substrate should be dry, clean, free from grease stains, dust, and dirt.

2.3 Application of the coating.

On the prepared substrate, apply the **HYDRONYLON®**HN**** top layer using a brush, roller, or airless spray.

Material consumption:

Bituminous felt and metal substrate:

The total consumption of **HYDRONYLON®**HN**** on the **HYDRONYLON®**HP**** or **HYDRONYLON®**HMS(P)**** primer is: 0.8 - 1.0 kg/m² (Number of layers: 1-2).

Mineral substrate:

The total consumption of **HYDRONYLON®**HN**** on a primed mineral substrate is: min. 1.5 kg/m² (Number of layers: 2).

PVC membrane substrate:

On previously prepared PVC membrane substrates, the first layer of **HYDRONYLON®**HN**** is applied with a brush directly through **Technical Mesh SW-1**. After the first layer has dried, apply the second layer **HYDRONYLON®**HN**** using a roller or airless spray. The total consumption of **HYDRONYLON®**HN**** is min. 2.2 kg/m² (Number of layers: min. 2). **Technical Mesh SW-1** should be laid with an overlap of at least 5 cm.

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Note:

Before applying subsequent layers, ensure that the previous layer is dry. The recommended technological interval between layers is a minimum of 24 hours.

3. Activities to avoid.

Avoid performing work in variable weather conditions; working during precipitation; coating frozen, constantly damp surfaces, or surfaces with standing rainwater; performing work when the temperature remains below +10°C for the entire day or when the ambient and substrate temperature exceeds +35°C; performing work when the humidity exceeds 85%; transferring the compound to containers that previously held other substances; cleaning tools with solvents (all tools should be cleaned with warm water and detergent); leaving containers open after work is completed, or storing containers in areas exposed to overheating or freezing.

4. Storage and transportation.

Containers with the compound should be stored tightly closed at temperatures from +5°C to +30°C, in a manner that prevents damage or destruction. The product should be used within 30 days after opening. Transport in accordance with applicable regulations to prevent container damage.

5. Notes.

The manufacturer guarantees the quality of the product but cannot influence how it is used. Follow the recommendations provided in the technical data sheet. The above information cannot replace professional preparation by the contractor and does not exempt them from adhering to building standards and health and safety regulations.

Packaging: 25 kg plastic bucket

Shelf life: 18 months in sealed, original packaging

EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). It may cause an allergic reaction.

The product does not contain any ingredients listed in the register established in accordance with Article 59(1) as having endocrine-disrupting properties, nor any ingredients with endocrine-disrupting properties according to the criteria set out in Regulation 2017/2100/EU or Regulation 2018/605/EU at a concentration equal to or greater than 0.1%. The substances contained in the product do not meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation.

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