

Set for creating liquid-applied roof coverings HYDRONYLON®

Product Technical Card

Edition 1/2021

HYDRONYLON®HN **(TOP LAYER)**

1. Product description and its application.

HYDRONYLON®HN – polymer waterproofing surface material, which is a component of the set used for applying liquid form **HYDRONYLON®** roof coatings.

HYDRONYLON®HN – is used for applying the top layer on previously prepared substrates made of bituminous felt, metal, mineral, and PVC membranes.

2. Implementation instruction.

2.1. Product preparation.

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

2.2. Substrate preparation.

Bituminous substrate:

All areas of the felt with weak adhesion, brittle, and peeling should be removed, and defects should be filled with new felt. Blisters on the old covering should be removed. All debris and dirt lying on the roof's slope should be thoroughly swept or vacuumed. If there's a need to wash the roof with pressurized water (for heavily soiled substrates), after washing, the roof should be left to dry completely! (Non-compliance with the above requirements may result in the appearance of small blisters that do not affect the tightness and durability of the applied coating). Apply the filling primer **HYDRONYLON®HP** (see the technical card of the **HYDRONYLON®HP** product).

Mineral substrate:

Damaged, loose, and crumbling parts should be removed and any defects filled; then prime with **PRIMER EMULSION (EG)** (see the technical card of the **PRIMER EMULSION (EG)** product).

Metal substrate:

Corroded areas should be cleaned by thoroughly brushing the entire corroded surface to the St2 degree. The substrate should be clean, dry, free of greasy spots, dust, and loosely adhering parts. Old paint coatings should be well matt before painting. It's recommended to wash the entire roof surface with pressurized water (warm water is recommended) with a cleaning and degreasing agent added. Apply the anti-corrosion primer **HYDRONYLON®HMS(P)** (see the technical card of the **HYDRONYLON®HMS(P)** product).

PVC membrane substrate:

The PVC membrane substrate should be thoroughly washed with pressurized water (warm water is recommended) with a cleaning and degreasing agent added. The substrate should be dry, clean, free of greasy spots, dust, and dirt.

2.3. Application of the coating.

Apply the **HYDRONYLON®HN** surface layer to the prepared substrate.

Material consumption:

For previously prepared substrates made of bituminous felt, metal, and minerals, apply the **HYDRONYLON®HN** surface layer using a brush, roller, or hydrodynamic spray. The total consumption of **HYDRONYLON®HN** on the **HYDRONYLON®HP** and **HYDRONYLON®HMS(P)** primer is: $0.8 \div 1.0 \text{ kg/m}^2$ (number of layers: 1-2). The total consumption of **HYDRONYLON®HN** on a primed mineral substrate is a minimum of 1.5 kg/m^2 (number of layers: at least 2).

For substrates previously prepared from PVC membrane, use a brush to apply the first layer of **HYDRONYLON®HN** directly over the **technical mesh SW-1**. After the first layer has dried, use a roller or hydrodynamic spray to apply the second layer of **HYDRONYLON®HN**. The total consumption of **HYDRONYLON®HN** is a minimum of 2.2 kg/m^2 (number of layers: at least 2). The **technical mesh SW-1** should be laid with a minimum overlap of 5 cm.

Note:

Ensure the previous layer is dry before applying the next; it's recommended to wait at least 24 hours between layers.

3. Activities to avoid:

- Working during inconsistent weather conditions.
- Carrying out tasks during precipitation, on icy surfaces, constantly damp areas, or surfaces where there are pools of rainwater.
- Undertaking tasks when the temperature throughout the day doesn't exceed +10°C or when the ambient and substrate temperatures exceed +35°C.
- Working when the relative humidity is above 85%.
- Transferring the material to containers previously used to store other substances.
- Cleaning tools with solvents (all tools should be washed with warm water and detergents).
- Leaving containers open after work or storing containers in places exposed to overheating or freezing.

4. Storage and transportation:

Containers with the material should be stored tightly sealed at temperatures between +5°C to +30°C, in a manner that prevents any damage or destruction. Once opened, the product should be used within no longer than 30 days. Transportation should comply with the standards applicable for transport to ensure that the containers are not damaged.

5. Remarks.

While the manufacturer guarantees the quality of the product, they do not influence its application. For renovation works, it is essential to adhere to the recommendations provided in the technical card. However, the above information cannot replace the professional preparation of the contractor and does not exempt them from adhering to construction best practices and health and safety regulations. If in doubt, it is advised to directly contact the principal distributor at phone number: +44 7593 196505.

Packaging: 25 kg plastic buckets

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 components listed under Art. 59(1) as having endocrine-disrupting properties nor ingredients with endocrine-disrupting properties as defined by Regulation 2017/2100/EU or Regulation 2018/605/EU at concentrations equal to or greater than 0.1%. The substances contained in the product do not meet the PBT or vPvB criteria as per Annex XIII of the REACH Regulation.

Manufacturer:

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Poland

Place of production:

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