HYDRONYLON®

HYDRONYLON® Liquid-Applied Roof Waterproofing System

HYDRONYLON®HMS(P)

METAL PRIMER

Technical Data Sheet

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1. Product Description and Intended Use

HYDRONYLON®HMS(P) is an anti-corrosion primer compound forming part of the HYDRONYLON® liquid-applied roof waterproofing system.

HYDRONYLON®HMS(P) is used to create anti-corrosion primer coats beneath the HYDRONYLON®HN top coat on metal substrates.

System build-up for metal: HYDRONYLON®HMS(P) + HYDRONYLON®HN.

2. Application Instructions

2.1 Product Preparation

Mix the compound thoroughly before application. Do not dilute.

2.2 Substrate Preparation

Metal substrates

Clean corroded areas by thoroughly wire brushing the entire corroded surface to preparation grade St2. The substrate must be clean, dry and free from grease, dust, dirt and loosely adhering material. Old paint coatings must be well abraded before coating. Washing the entire roof surface with pressurised water (warm water is recommended) with the addition of a cleaning and degreasing agent is recommended.

2.3 Applying the Coating

Apply the HYDRONYLON®HMS(P) primer coat to the prepared metal substrate using a roller or brush.

Material consumption

HYDRONYLON®HMS(P): 0.25 to 0.30 kg/m² (number of coats: 1).

> **Important:** the HYDRONYLON®HMS(P) primer coat must not be used as a standalone waterproofing coating. Once the primer coat has been applied, the HYDRONYLON®HN top coat must be applied (refer to the HYDRONYLON®HN Technical Data Sheet).

3. Practices to Avoid

- carrying out work in changeable weather conditions;
- carrying out work during rainfall or other precipitation;
- coating iced or permanently damp surfaces, or surfaces with standing rainwater;
- carrying out work when the temperature does not exceed +10°C over the full 24-hour period, or when the ambient and substrate temperature exceeds +35°C;
- carrying out work when relative humidity exceeds 85%;
- decanting the compound into containers previously used for other substances;
- cleaning tools with solvents (clean all tools with warm water and detergent);
- leaving containers open after work is finished, or storing containers where they are exposed to overheating or freezing.

4. Storage and Transport

Store containers tightly closed at temperatures between +5°C and +30°C, in a manner that prevents damage or destruction. Use the product within 30 days of opening. Transport in accordance with applicable transport regulations so that containers are not damaged.

5. Packaging and Shelf Life

Packaging: 5 kg and 25 kg plastic pails.

Shelf life: 18 months in sealed, original packaging.

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6. Declared Performance

European Technical Assessment **ETA-23/0735**, issued 30.04.2024 in accordance with European Assessment Document **EAD 030350-00-0402**. Notified Body No. 1454: Łukasiewicz Research Network, Warsaw Institute of Technology, ul. Duchnicka 3, 01-796 Warsaw. Product family: liquid applied waterproofing kits for roof coverings, external application. Declaration of Performance: **DoP No. 01/HYDRONYLON/2026/UK**. Performance values apply to the HYDRONYLON® kit as assessed, with HYDRONYLON®HMS(P) forming part of the system build-up.

Essential characteristic	Declared performance
Minimum thickness: mineral substrate	**0.75 mm**
Minimum thickness: bituminous felt substrate	**1.8 mm**
Minimum thickness: metal substrate	**0.7 mm**
Minimum thickness: PVC membrane substrate	**1.2 mm**
Content, emission and/or release of dangerous substances	**NPD**
Resistance to water vapour: HYDRONYLON®HP + Technical Mesh SW-1 + HYDRONYLON®HN	**μ = min. 130**
Resistance to water vapour: HYDRONYLON®HMS(P) + HYDRONYLON®HN	**μ = min. 70**
Watertightness	**Watertight**
Resistance to wind loads	**Pass (> 50 kPa)**
Resistance to mechanical damage (perforation)	**P3**
Resistance to fatigue movement	**Pass**
Resistance to low surface temperatures	**I_3**
Resistance to extremely low surface temperatures	**NPD**
Resistance to high surface temperatures	**L_3**
Resistance to plant roots	**NPD**
Effect of variations in kit components and site practices	**NPD**
Effect of day joints	**NPD**
Slipperiness	**min. 0.90**

Performance level according to intended use	Classification
External fire performance	**B(roof) (t1)**
Reaction to fire	**E**
Climatic zone of use	**M (Moderate)**
Expected working life	**W2 (10 years)**
User loads	**P3 (Normal)**
Roof slopes	**S1 to S4**
Minimum surface temperature	**TL3 (−20°C)**
Maximum surface temperature	**TH3 (+80°C)**

7. Health and Safety

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). May produce an allergic reaction.

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

Refer to the product Safety Data Sheet (SDS) before use.

8. Important Notes

The manufacturer guarantees the quality of the product but has no influence over the manner of its use. For refurbishment work, follow the recommendations given in this Technical Data Sheet. The information above cannot replace the professional competence of the contractor and does not exempt the contractor from compliance with good building practice and health and safety regulations.

If in doubt, contact HYDRONYLON LTD on 020 7947 3625 or at office@hydronylon.uk.

9. Manufacturer and UK Importer

Manufacturer

Proof-Tech Sp. z o.o.
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44-109 Gliwice, Poland

European Technical Assessment ETA-23/0735
DoP No. 01/HYDRONYLON/2026/UK

UK Importer & Distributor

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