

HYDROVERN GM

High performance protective and decorative pigmented paint

Description: Coloured coating, based on selected synthetic resins in water dispersion and special additives, with high performance characteristics.

Advantages:

- Ensures effective protection against UV rays and weathering.
- Good adhesion and elasticity.
- Easy application.
- Stable colour over time.
- Low maintenance, does not require additional protection.
- Odourless, non-flammable product.
- Non-toxic product, free from solvents.

Applications: Protect and decorate:

- Polymer-bitumen membranes containing talc, sand or slate.
- Hot bituminous waterproofing with oxidised bitumen and cold with stabilised bituminous emulsions.
- Bare and plastered masonry, surfaces and prefabricated concrete elements.

Surface preparation:

- Make sure that the surface is free from detached parts, loose debris or non-adherent parts, coatings, rust, powder, or release oils; carefully clean the surfaces, which must be sound and dry.
- The solidity and efficiency of the water run-off points must be checked before application.
- The paint must be protected from rain, dew, or fog until it is completely dry: humidity and low temperatures lengthen drying times.

Application:

- Apply Hydrovern GM by brush, broom, roller or spray.
- Mix well before use.
- As a first coat, apply Hydrovern GM diluted by a maximum of 5% with water depending on the type of surface and ambient conditions.
- The second and any subsequent coats must be applied with the product as is and must only be applied on the perfectly dry film.
- Polymer-bitumen membranes with non-woven synthetic fabric finish on the surface allow for immediate painting, but more than two coats are required in order to obtain a sufficient covering effect.
- After use, wash tools with water and, if the product has dried, it is advisable to remove it with hot water or with the common synthetic thinners.

Consumption: -Application must include at least two layers to obtain uniform colour to the waterproofing layer, using a total of 400 g/m² of Hydrovern GM on the aged smooth polymer-bitumen membranes. For slated polymer-bitumen membranes or particularly porous surfaces, consumption can increase to approx. 700 g/m².

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Warnings:

- We recommend applying the product at ambient temperatures between +5 °C and +35 °C and when there are no weather conditions such as fog, rain, or frost, and in any case avoid extreme situations of cold and heat, even during drying.
 - In winter, plan to finish the application in the early afternoon to allow for the correct formation of the paint film (too humid days should always be avoided).
 - We advise against applying the product on newly applied bituminous surfaces, which could still release hydrocarbons and cause adhesion problems of the film on the sheath.
 - In any case, we recommend carrying out a preliminary application test to check whether the product is compatible with the surface.
 - If the roof includes insulating packages, a shorter restore is advisable.
 - It can be stepped on in case of occasional maintenance.
 - Do not paint the inside of water containers.
 - Protect from frost, do not expose the package to temperatures below +5 °C; once frozen, the product can no longer be recovered.
- For further information, request the safety data sheet.

Packaging:

1, 5, 10, 20 and 25 kg metal or plastic pails.

Available colours:



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Technical data:

MAIN CHARACTERISTICS		
Appearance		Dense liquid
Colour		Grey, Red, Green, White, Brown
Shelf life in closed original packaging		24 months
Solid content (m/m at 130 °C)	EN ISO 3251	(56-62)%
Brookfield viscosity (at 20 °C, spindle 3; 10 rpm)	EN ISO 3219	Grey (5,000±1,000) cP
		Red (5,000±1,000) cP
		Green (5,000±1,000) cP
		White (5,000±1,000) cP
		Brown (5,500±1,100) cP
Density (at 20 °C)	EN ISO 2811-1	Grey (1.44-1.52) kg/L
		Red (1.38-1.46) kg/L
		Green (1.40-1.48) kg/L
		White (1.45-1.55) kg/L
		Brown (1.42-1.50) kg/L
Drying time		90-120 minutes*
PERFORMANCE PROPERTIES - EN 1504-2 SURFACE PROTECTION SYSTEMS FOR CONCRETE (C COATINGS – PRINCIPLES: PI-MC-IR)		
Permeability to CO ₂	EN 1062-6	S _D > 50 m
Water vapour permeability	EN ISO 7783	Class I (S _D < 5 m)
Liquid water permeability	EN 1062-3	w < 0.1 kg/m ² ·h ^{0.5}
Tensile bond strength	EN 1542	≥ 1 N/mm ²

* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.



The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.

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