

## HYDRO R

### Hydrophobic impregnation

HYDRO R is a ready to use, silicone-based, transparent, hydrophobic impregnation for absorbent surfaces. It does not form a film, it is vapor permeable allowing respiration of building components and it doesn't change the surface appearance. It offers long-term protection and it provides excellent water repellent properties. It is suitable for application on high alkalinity substrates. Due to the protection of the surface from rain and dirt, no efflorescence problems arise from salts and no defects from frost and dirt. It is also applied as a primer for dispersion or solvent paints.



#### Advantages:

- Long-term protection
- Excellent water-repellency.
- Efflorescence protection.
- Protect from frost.
- Maintain a clean surface.
- Does not create film.
- Protects against the negative effect of chlorides.
- It is vapor permeable, allowing the breath of components.
- It doesn't alter the surface appearance.



## TECHNICAL CHARACTERISTICS

#### Packaging:



• 5 kg, 20 kg containers

#### Consumption:



~ 0.15-0.35 lt/m<sup>2</sup> per layer

#### Color:



Colorless liquid.

#### Storage:



Stored for a long time in sealed containers, in dry and cool areas, protected from frost and sun at temperatures between +5°C to +30°C.

#### Application:



Protection against the impact of rain on various substrates such as AAC, plaster, exposed concrete etc.

## FIELDS OF APPLICATION

It is used for protection against the impact of rain on various surfaces such as aerated concrete (YTONG type), plaster, exposed concrete, exposed masonry, brick, roof tiles, and tile joints, natural and artificial stones, tiles, etc.

## APPLICATION

The substrate must be dry, stable, free of dust, dirt, oil, and free from loose particles. Before application protect the adjacent surfaces such as painted walls, shutters, mastics and asphalt joints with paper tape. HYDRO R is applied by spraying, brush or roller uniformly in one or two layers wet on wet. Before application on marble and natural or decorative stones you should make a trial application. After the application, protect the surface from rain at least for 4 hours at + 20°C.

## NOT RECOMMENDED

The product is not recommended:

- For permanent immersion in water.
- For protection against hydrostatic pressure.
- For the waterproofing of underground surfaces.
- For sealing cracks.
- On substrates with moisture > 5%.

Do not paint with cement or lime paints on surfaces that have been prior treated with HYDRO R.

Technical characteristics	Units	Standard	Value
Color			Colorless liquid
Density (20°C)	kg/lt		0.79 ± 0.03
Flash point			38 ± 2
Ambient temperature	°C		+5 to +30
Substrate temperature	°C		+5 to +30
Depth of penetration	mm	(EN 14630)	Class I: < 10
Water absorption and resistance to alkali	%	(EN 13580)	Absorption rate compared to the control sample: < 7.5 Absorption ratio after immersion in alkali solution: <10
Drying rate coefficient	%	(EN 13579)	Class II: > 10
Water vapor permeability (Sd)	m	(EN ISO 7783-2)	Class I : < 5

\*Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50% and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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