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WP 55

PROTECTIVE WATER REPELLENT FOR THE TREATMENT OF "FACADES" OF RENDERS, CONCRETES, STONES AND TILE

CE approved – Certificate n. 1305 - CPD - 0810
EN 1504-2 table ZA.1a - Classe I

Description WP 55 is a protective water repellent based on complex siloxanes in solvent. The product is supplied in several versions, specifically fine-tuned depending on the nature of the substrate (see chapter 'field of use'). WP 55 is soluble in all hydrocarbon solvents, but not in water or alcohol. WP 55 reacts with the surface of the building materials to form a very strong, resistant chemical bond, which will last for many years and it is not subjected to spontaneous diffusion as other commercially available water repellence products. The product has very strong performance on all porous construction materials such as concrete, renders, bricks, etc.

Fields of use Waterproofing treatments on renders, concrete, stones, brick "facades". The product is prepared with a standard formulation. In some specific cases, according to the kind of the support to be treated and after sampling on job-site, it is possible to formulate the product according to the single needings.

Method of use **Preparation of the substrate**

The substrates must be cleaned from all dirt, algae, moulds and free from substances which can affect adhesion (like oil, fat, waxes, etc.). Remove eventually damaged areas, and fill cracks or joints > 0,3 mm. Smaller cavities and cracks will be waterproofed by the product itself. In the cases there is efflorescence on the substrate, contact our Technical Department for additional advice. It is always advisable to make a preliminary localized test to verify the aesthetical point of view and the suitability of the surface. The product must be always applied on dry surfaces (maximum humidity allowed: 5 %).

Method of application

WP 55 can easily be applied by spraying or roller. Apply always 'wet to wet' till sufficient level of penetration is obtained. In normal climatic conditions the drying time will be about 2 hours. Clean the tools after application with turpentine.

- Remarks**
- WP 55 is not advisable for the waterproofing of gypsum plates.
 - Substrates treated with WP 55 can not be over-coated by any water based paint.
 - Keep the product in the original packaging, stored at less than 30°C. Keep the packaging closed and avoid air-contact. In these conditions the product has a shelflife of about 12 months.
 - The product is flammable: do not smoke, avoid working in the vicinity of flames or heat sources.
 - Apply only in well ventilated areas. Do not inhale the vapours and aerosols, and use adequate respiratory protection.
 - Read carefully the instructions on the packaging.



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- Characteristics**
- The water repellent properties are active as soon as the product is dry.
 - The treatment makes most substrates water repellent, but does not stop the passage of water vapour. Water vapour will still migrate, leaving a dry and hygienic building.
 - The substrates treated will remain water repellent for many years. The life time of the application depends on the quality and quantity of salts present in the substrate, and the activity of the water (in the case of strong exposure to water, it is advisable to use the product TECNOSOLID 82).
 - Reduces or eliminates superficial dirt on the treated substrate.

Packaging Can of 5 lt and 25 lt.

Storage 12 months in the unopened original packaging, stored in a dry and protected area, at temperatures between +5°C and +30°C.

Technical characteristics (typical values)	Aspect	liquid
	• Colour	colourless, slightly opaque
	• Smell	of solvent
	• Specific weight UNI EN 2811-1	~ 0,88 Kg/litre
	• Flash point	Approx. 40°C
	• Solubility	not soluble in water, but soluble in most frequently used organic solvents.
	• Consumption	0,1-0,5 l/m ² depending on the porosity of the substrate.

TECHNICAL CHARACTERISTICS	TEST METHOD	MEASURE UNIT	TYPICAL VALUES	THRESHOLD VALUE ACCORDING EN 1504-2
Drying test	EN 13579	%	> 45 (class 1)	class 1 > 30% class 2 > 10%
Penetration depth	EN 1504-2 (pr. 3, n° 19)	mm	4,5 (class 1)	class 1 < 10 class 2 > 10
Water absorption and alkali resistance	EN 13580	%	AR < 5 AR _{alk} < 10	AR < 7,5 AR _{alk} < 10

Precautions Do not apply at temperatures below +1°C. Apply only on clean, dry and good quality substrates, free from old paints, fat or other substances which can decrease adhesion. Apply 1 or 2 layers at a distance of about 8 hours.

Safety indications Read carefully the safety indications on the packaging, or consult the relevant Material Safety Data Sheet of this product.

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