

TECHNICAL SHEET 10.04.01-EN



JUBOSIL Hydrophob

Water repellent transparent silicone coat

1. Description, Application

JUBOSIL Hydrophob is a transparent impregnating agent made on the basis of oligomeric siloxanes and organic solvents.

It is used as a basic or additional water repellent protection of all types of mineral decorative renders, mineral façade paints, façade brick, non-plastered concrete surfaces, natural and artificial stone, as well as fibre-cement and other façade boards.

It penetrates the base well, does not reduce its water permeability, and only minimally or not at all changes its color. It significantly increases or improves water repellency, thereby effectively inhibiting the development of wall algae and mold, increases frost resistance, solidly protects against excessive dirt absorption, against efflorescence, and chemical corrosion, etc.

2. Colour Shades

- colorless

3. Technical data

Packaging	1 l, 5 l	
Density	~0.772 kg/dm ³	
Content of vaporous substance (VOC)	740 g/l	
The EU VOC requirement - category	A/h<750	
Drying time T = +20 °C, relative air humidity = 65 %	Suitable for further treatment	~6h
Consumption	100-1000 ml/m ² (for a two-coat application)	
Recommended number of layers	2	

Characteristics of a dry paint film	Water absorbtion w24 (EN 1062-3)	<0.1 kg/m ² h _{0,5}
	Water absorbtion class (EN 1015-18)	W3 - class 3 (Low)
	Appearance	matt

4. Installation Conditions

Temperature of the air and the wall surface should not be lower than +10 °C and not higher than +25 °C and relative air humidity should not exceed 80 %. Protect façade surfaces against the sun, wind and rainfall with curtains; however, do not conduct any work in rain, fog or strong wind (≥30 km/h) despite such protection.

5. Surface Preparation

Surface should be solid, dry, and clean - without any badly-adhered particles, dust, remains of panelling oils, fat, or other dirt – special preparation is usually not necessary.

Drying time of new renders and levelling compounds in normal conditions (T = +20 °C, relative air humidity = 65 %) is at least 1 day for each mm of thickness, while for concrete surfaces the drying time is at least one month. In case of paint renovation, thoroughly remove from the surface all old badly-adhered coatings, slurries and other decorative coats, all of which get easily soaked in water.

Washing with a high-pressure water blaster (hot water or steam) is especially recommended mainly for very dirty façade surface, and façade surfaces infected with wall algae and mould. Disinfect such surfaces after they are washed.

In the event of potential mending of surfaces that have been damaged in any way, follow only procedures, which ensure, in all respects, as high a level of equalization as possible to the mended surface. By applying JUBOSIL Hydrophob it is not possible to eliminate differences in the texture and structure of the surface, since they may even appear more visible and bothersome.

6. Coat Preparation

Only stir the coating well before use.

7. Coat Application

Apply JUBOSIL Hydrophob in two coats ("wet-on-wet" technique) by spraying, pouring, or use a classic paintbrush. The best effect is achieved if the wall surface beneath the place of application of the hydrophobic agent is moistened in the form of a "curtain" in the length of ~40 cm. Paint can be sprayed onto a surface using traditional high pressure and modern low pressure spray guns of different types (with "external" or "internal mixing of air"), as well as airless aggregates of a variety of manufactures. As regards to the choice of diameter of spraying nozzles and service pressure, follow producer's instructions.

In normal conditions (T = +20 °C, relative air humidity = 65 %), resistance of freshly impregnated surfaces to damage caused by precipitation (washing away of the application) is achieved in 6 hours at the latest.

Approximate or average consumption for a two-coat application, depending on the absorbency and roughness of the substrate:

mineral plaster	400-600 ml/m ²
concrete	200-500 ml/m ²
brick	500-800 ml/m ²
aerated concrete	500-1000 ml/m ²
lime and silicate paint coatings	400-600 ml/m ²
natural stone	100-150 ml/m ²

8. Maintenance and Restoration of Painted Surfaces

Painted surfaces do not require any special maintenance. The non-adhering dust and other non-adhering filth can be swept, vacuumed, or washed with water. Adhering dust and more obstinate stains are removed by light rubbing using a wet cloth or a sponge soaked into a solution of usual universal household preparations and washed away by clean water.

Restoration of protection includes a new two-coat application as described in the "Coat application" chapter.

9. Storage, Transportation Conditions and Durability

Details concerning transport conditions are stated in the technical sheet. Store in tightly closed package in a cool and airy room, protected against direct sunlight, and out of reach of children. Durability when stored in originally sealed and undamaged packaging: at least 12 months.

10. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

Safety measures: Follow the instructions on the safety data sheet of the product.

This technical sheet supplements and replaces all preceding editions. We reserve the right to change and supplement data in the future.

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