

## TECHNICAL SHEET 06.07-eng

### FAÇADE PAINTS

# JUBOSILHYDROPHOB (JUBOSIL H)

Water repellent transparent silicone coat

## 1. Description, Application

JUBOSILHYDROPHOB 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, unplastered concrete surfaces, natural and artificial stone, as well as fibre-cement and other façade boards.

It penetrates into the surface well, does not reduce its water vapour permeability, and does not change its colour or changes it to the minimum degree. It substantially increases or improves its water repellence and thus efficiently impedes development of wall algae and mould, increases resistance to freezing, reliably protects against excessive absorption of dirt, against desalting, chemical corrosion, etc.

## 2. Packaging, Paints

Tins holding 1 liter and 5 liters

## 3. Technical Data

Density (kg/dm <sup>3</sup> )		~0.80
Content of vaporous organic substances (VOS) (g/l)		<740 The EU VOC requirement – category A/h (from 1 January 2010): <750
Dry to recoat (suitable for further treatment) T = +20 °C, relative air humidity = 65 % (hours)		~6
Characteristics of dry paint film	Vapour permeability EN ISO 7783-2	It does not change water vapour permeability of the surface!
	Water absorption w <sub>24</sub> EN 1062-3 (kg/m <sup>2</sup> h <sup>0.5</sup> )	<0.1
	Gloss	Matt

Main constituents: solvent based on hydrocarbons, siloxane

## 4. 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.

In normal conditions (T = +20 °C, relative air humidity = 65 %), let the newly applied renders dry or mature for at least 1 day for each mm of their thickness. Concrete surfaces should dry for at least two months. Wash unplastered concrete surfaces, fibre-cement boards, renders that are solid enough, and surfaces infected with wall algae and mould with a jet of hot water or steam. The latter must also be disinfected after washing.

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 JUBOSILHYDROPHOB it is not possible to eliminate differences in the texture and structure of the surface, since they may even appear more visible and bothersome.



## 5. Coat preparation

Only stir the coat well before use.

## 6. Coat application

Apply JUBOSILHYDROPHOB in two coats ("wet-on-wet" technique) by spraying, pouring, or a paint brush. 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.

Application of the hydrophobic agent is possible only in suitable weather or microclimatic 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 ( $\geq 30$  km/h) despite such protection.

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.

Indicative or average use for a two-coat application, depending on absorption and roughness of the surface:

Mineral renders	400 – 600 ml/m <sup>2</sup>
Concrete	200 – 500 ml/m <sup>2</sup>
Brick	500 – 800 ml/m <sup>2</sup>
Porous concrete	500 – 1000 ml/m <sup>2</sup>
Lime and silicate paint applications	400 – 600 ml/m <sup>2</sup>
Natural stone	100 – 150 ml/m <sup>2</sup>

## 7. Tool Cleaning, Waste Management

Thoroughly clean all the tools with "white spirit" immediately; dried stains cannot be removed.

Keep the unused coat in a well sealed package for later use. Waste liquid remains must not be emptied into drains, watercourses, or environment and they must not be disposed together with domestic wastes. In accordance with waste management regulations, they are considered as harmful waste with classification number 08 01 11\*. They should be disposed only in an organized manner – by dumping them onto specially adjusted dumping areas. The same applies to raw packaging - classification number is 15 01 10\*.

## 8. Safety at Work


The product is flammable and is thus classified among dangerous preparations (indicator of danger: Xn – HARMFUL) – apply it safely, follow special instructions from the technical sheet in addition to general instructions and regulations on safety at construction work or works including painting and further instructions stated below.

Protection of the respiratory system: when applying the paint by spraying, it is compulsory to use a protective mask with a filter for organic solvents. When applying the paint by a brush or by pouring, use such a mask only in case of prolonged exposure. Protection of hands and body: protection PVC gloves and buttoned work clothing. Protection of eyes: protective glasses. Occupational hygiene: wash your hands with soap and water immediately after each contact with the substance, do not eat, drink and smoke while working. Store protective clothing separately.

### FIRST AID:

Inhalation: place the injured person on fresh air; in case he/she stops breathing, provide artificial respiration, seek medical help immediately. Contact with skin: remove clothing, which has been wetted, and rinse with water and soap. Contact with eyes: immediately widen the eyelids, rinse thoroughly with clean water (10 to 15 minutes), and seek medical help if necessary. Ingestion: do not provoke vomiting, calm the injured person, and seek medical help immediately.



Warning signs on packaging	<p>Xn</p>  <p>HARMFUL!</p> <p>IT CONTAINS PETROLEUM!</p>
Special measures, warnings and observations required for safe work	<p>R10 Flammable. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.</p> <p>S2 Keep out of the reach of children. S23 Do not breathe vapour and spray. S24 Avoid contact with skin. S46 If swallowed, seek medical advice immediately and show this container or label. S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p>

## 9. 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.

## 10. Storage, Transportation Conditions and Durability

Warning signs on transport cardboard	
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Details concerning transport conditions are stated in the technical sheet.

Store in well sealed 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.

## 11. Quality Control

The product's quality characteristics are determined with the internal manufacturing specifications as well as with the Slovenian, European and other standards. The achievement of declared or set quality level is ensured by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years. It comprises daily quality checks in our own labs, and occasionally also at the Construction Institute in Ljubljana, at Forschungsinstitut für Pigmente und Lacke in Stuttgart and at other independent institutions at home and abroad. During the manufacturing process, we strictly comply with the Slovenian and European standards for protection of the environment and for ensuring security and health at work, which is confirmed by the ISO 14001 and OHSAS 18001 certificates.

## 12. Other Information

Technical instructions in this brochure 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.

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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