

### JUBOSIL F Silicon Façade Paint

### JUBOSIL H Silicon Masonry Water Repellent

### REVITALCOLOR SILIKON Micro-Reinforced Silicone Façade Paint

#### General Description and Fields of Application

**JUBOSIL F** is an environment friendly and harmless to health façade paint, based on silicon waterborne binders. It is thinned with water, alkaline resistant, highly water-repellent, water vapor permeable and resistant to all climate conditions, i.e. smoke, ultraviolet radiation and other environmental factors. JUBOSIL F is recommended for painting of solid, fine-plasters or smooth façade surfaces, without any cracks or other defects and damages.

**REVITALCOLOR SILKON** is an exterior microfibre reinforced waterborne anti-mildew silicon paint. The coating resists algae and mildew growth and contains special water-repellent additives (siloxanes). It is free of ecologically harmful and health hazardous ingredients. It is a durable coating which provides an excellent weather and ageing resistance, resistance to the low and increased temperature and good resistance in industrial and sea areas. REVITALCOLOR SILICON bridges hairline cracks (in combination with undercoat JUBOSIL EX). It is recommended for longlasting protection of old decorative plasters and renders. It could be used as a special equalizing coating for tinted mineral and silicate decorative renders.

**Suitable surfaces:** especially new – not yet carbonized – and also old – already carbonized lime, lime-

cement and cement renders and façade brick.

Application to old tightly adhered silicone and silicate coatings and all kinds decorative renders of all types is possible.

**Unsuitable surfaces:** surfaces painted with chalk-based (water dissolving coats) and lime-based paints, surfaces painted with oil paints, lacquers or enamels, plastic compounds and wooden surfaces.

**Composition:** Water-based silicon and acrylic binders, extenders, inorganic pigments, special additives.

**Colour shades:** white, different shades on the colour chart PAINTS AND PLASTERS (JUMIX System).

**JUBOSIL H** is a solvent based siloxane colourless impregnating agent, which penetrates the porous mineral surfaces well, improves their water-repellence and therefore reliably protects them from salt accumulation and chemical corrosion (acid rain). It also protects the surfaces from growth of wall mould and algae. The water-vapor permeability and colour shade of the surface do not change essentially.

**Suitable surfaces:** all kinds of mineral decorative plasters, mineral façade paints, façade brick, concrete surfaces, surfaces made of natural or artificial stone and fiber-cement boards.

**Unsuitable surfaces:** very smooth and non-absorbing mineral surfaces: marble, granite, clinker and also wood and plastics. All large-plain horizontal surfaces.

**Composition:** Jubosil H is based on oligomer siloxanes and organic solvents.

#### Substrate

The substrate painted with JUBOSIL F/REVITALCOLOR SILIKON or impregnated with JUBOSIL H must be solid, dry and clean, without weakly bound particles, dust, oil stains or other filth. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Newly applied renders must be dried for 3-4 weeks (for each cm, at least 7 – 10 days, for insulant light weight renders 5 –7 days), for concrete the drying time is at least one month (T = +20 °C, R.H. = 65 %). Surfaces infected with wall mildew and algae must be disinfected prior to painting. Washing with a jet of hot water or steam is especially recommended for all concrete surfaces.

#### Application of paint

Prior to application of JUBOSIL F/REVITALCOLOR SILIKON apply appropriate primer to the clean surface. When protecting highly absorbing surfaces, use the deep primer JUKOL. Use it also for protection of façades, which are heavily exposed to rain.

JUBOSIL F is applied by using a roller or brush, or spraying. Tested with the following spraying systems: Farbmeister W, Finish, Superfinish, Airless EP and Fine Coat (WAGNER GmbH) and LM-92/K and Airless 4000 F (SATA GmbH).

JUBOSIL H is applied by spraying or pouring. Smaller surfaces can be also impregnated with a brush ("wet on wet" technique) in two coats. The best effect is achieved when the JUBOSIL H is applied as a 30-40 cm long curtain, from the distance of 10 cm (to façade). Freshly impregnated surfaces are not water-repellent and must be protected against rainfall for at least 6 hours.

**ATTENTION!** Prior to application of silicone paints, protect window glasses, window frames, doorframes and window shelves thoroughly. **Remove eventual stains immediately.**

**Application Temperature:**  
Air and surface temperature for application should not be lower than +5 °C and not higher than +35 °C, R.H. < 80%.% (The temperature of 10-25°C is

recommended for the application of JUBOSIL H).  
Protect the façade surfaces against the sun, wind and rainfall with curtains; however do not apply the paint in rain, fog or strong wind ( $\geq 30$  km/h), even with such protection.

	JUBOSIL F	REVITALCOLOR SILIKON	JUBOSIL H
<b>Application</b>	Brush, roller, spraying: always at least 2 coats	Brush, roller: always at least 2 coats	Spraying, brush: at least 2 coats "wet on wet" until saturation of the surface
<b>Primer</b>	<ul style="list-style-type: none"> <li>▪ JUKOL (1:1with water)</li> <li>▪ JUBOSIL G (1:1with water)</li> <li>▪ JUBOSIL F (1:1with water)</li> </ul>	<ul style="list-style-type: none"> <li>▪ JUKOL (1:1with water)</li> <li>▪ JUBOSIL G (1:1with water)</li> <li>▪ REVITALCOLOR SILIKON(1:1with water)</li> </ul>	/
<b>Consumption</b>	App. 250 ml/m <sup>2</sup> by two coat application	App. 300 - 700 ml/m <sup>2</sup> for 2 coats, depends on substrate	Approximate coverage Mineral plasters 0,4 – 0,6 l/m <sup>2</sup> Concrete 0,2 – 0,5 l/m <sup>2</sup> Brick 0,5 – 0,8 l/m <sup>2</sup> Porous concrete 0,5 – 1,0 l/m <sup>2</sup> Mineral paints 0,4 – 0,6 l/m <sup>2</sup> Natural stone 0,1 – 1,5 l/m <sup>2</sup>
	Depends on coarseness and absorption of the substrate. Exact coverage can be estimated on the site.		
<b>Drying time (20°C, 65 % R.H.)</b>	dry to recoat : 4 – 6 hours		/
<b>Protect against rainfall</b>	app. 24 hours		app. 6 hours
<b>Thinning, tinting</b>	If necessary with up to 10% water. <b>Mix the paint well before diluting or tinting. If the paint is tinted in separate containers, equalize the paint colour by mixing it together.</b>		/
<b>Packaging</b>	Plastic containers 5 l, 16 l		Tin containers 1 l, 5 l
<b>Storage</b>	18 months, PROTECT FROM FREEZING, keep from direct sunlight.		12 months, keep from direct sunlight

### Safety at Work

Consider general instructions and regulations for construction and painting works. Special protecting means and measures for work safety, when using the JUBOSIL F or REVITALCOLOR SILIKON, are not necessary.

JUBOSIL H is classified as hazardous labeled with **Xn**, **HARMFUL**. It contains solvent naphtha and it's flammable (flash point 54 °C). See also MSDS.  
 R 10 Flammable  
 R 65 May cause lung damage if swallowed.  
 R 66 Repeated exposure may

cause skin dryness or cracking.  
 S 2 Keep out of reach of children.  
 S 23 Do not breathe vapour.  
 S 24 Avoid contact with skin.  
 S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Tool Cleaning

Thoroughly clean all the tools with water immediately after use of JUBOSIL F and G. After using JUBOSIL H, clean the tools thoroughly with "white spirit".

### Waste Handling

JUBOSIL F, REVITALCOLOR SILIKON

Liquid waste must not be disposed together with domestic wastes, poured into water or in sewage system. After hardening deposit as a construction waste:

**EWC: 17 09 04**

Packaging may be recycled after appropriate cleaning.

### JUBOSIL H

**EWC: 08 01 11** liquid waste is classified as **harmful**. Disposal according to the national legislation.

Waste packaging:

**EWC: 15 01 10**

Technical Data	JUBOSIL F	REVITALCOLOR SILIKON	JUBOSIL H
Density (kg/dm <sup>3</sup> )	app. 1,50	app. 1,67	app. 0,80
Water vapour transmission EN ISO 7783-2	$\mu$ value (-)	$\mu < 350$	JUBOSIL H water repellent doesn't essentially change the water-vapor permeability of the surface
	Sd value (m)	d=100 $\mu$ m: Sd < 0,035 Class I high water-vapor permeability	
Liquid water permeability w (kg/m <sup>2</sup> h <sup>0.5</sup> ) EN 1062-3	W <sub>24 h</sub> <0,06 Class III low water absorption	W <sub>24 h</sub> <0,024 Class III low water absorption	W <sub>24 h</sub> <0,1 Class III low water absorption
Gloss	matt	matt	colourless coat
Adhesion to I-c render EN 24624 (N/mm <sup>2</sup> )	> 0,5	> 0,5	JUBOSIL H fills the pores and capillaries, no film is produced.
VOC (g/l)	max. 6	max. 5	max. 385

### Health Integrity

Based on researches at the Institute of public health in Maribor, the dried coats of silicone coatings are not hazardous to health.

### Quality Control

ISO 9001 and ISO 14001. Factory production control and occasional testing at various independent professional institutions, home and abroad. JUBOSIL F/REVITALCOLOR SILIKON are tested by Forschungsinstitut für Pigmente und Lacke, Stuttgart, Germany

### Link to other JUB products

See also Technical sheets:

**01** Primers

**10** Algicid

Technical instructions in this brochure are 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 choice of the product, incorrect use or unprofessional work. Minor differences in colour shades are possible among the equivalent paints from different production batches, however the shades do not vary from those in the colour charts for more than  $\Delta E = 1,0$  and  $\Delta a = 0,4$ . The test for colour shade tolerances must be performed on standard test cardboard after the coat dries. Colour shade variations, caused by application of the paint on surfaces with different coarseness and absorbing properties, cannot be subject to any claim. We reserve the right to change the technical data of our products without notice as a result of our own development work or as a result of other technical progress. This technical sheet supplements and replaces all preceding editions.  
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