

## Technical Data Sheet

Last revision: 10.12.2021

# Silicone resin coating

### General Information

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| Article number:     | <b>SI1-650</b>  |
| Usage:              | griwecolor Silicone resin coating is a high-class exterior paint with a very high proportion of silicone resin. It combines the advantages of classical silicate colours with modern latex paints. It is resistant against aggressive air pollutants and shows a beading effect in driving rain. Particularly suitable for thermal insulation composite systems (thermal protection). |
| Characteristics:    | <ul style="list-style-type: none"><li>- high water vapor permeability (<math>S_d</math>-value = 0,046 m)</li><li>- low water absorption <math>W_{24}</math>- value = 0,10 kg / (m<sup>2</sup> x h<sup>1/2</sup>)</li><li>- outstanding resistance against driving rain</li><li>- outstanding light and weather resistance</li><li>- good processing properties</li></ul>              |
| Weather-resistance: | Weather resistant according to DIN EN 18363 - 3.1.10.3.   |
| VOC:                | EU limit value of the product (cat. A/c): 40 g/l (2010).<br>This product contains max. 15 g/l VOC.  |
| Basis:              | Modified silicone resin emulsion, light and weather resistant pigmentation.   |

### Physical properties

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| Colour:        | white (other colour shades available on request)   |
| Gloss level:   | mat  |
| Density:       | approx. 1.44 g/ml  |
| Consumption:   | Number of coats: 2<br>According to the surface 0.3 - 0.35 l/m <sup>2</sup> for two coats of paint. |
| Covering rate: | 1 litre covers approximately 3 m <sup>2</sup> (two coats of paint).                                |
| Tinting:       | With griwecolor Full shade tinting paints (max. 5 %)   |

### Application

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| Application: | Please pay attention to a uniform layer that is free of gaps. Only use clean working equipment. Do not process while wet coat is exposed to direct sunlight.   |
| Substrates:  | Plaster, mineral surfaces, synthetic resin plaster and external thermal insulation composite systems. Also as renovation coat.<br>The surfaces must be sustainable and stable, clean, dry and free from dirt, oil and grease and other separating substances. Existing coatings should be tested for sustainability and coats with unsuitable adhesion must be removed completely. |

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| Recommended treatment:  | Apply two coats of griwecolor Silicone resin coating. Strongly absorbing or sanding surfaces must be pre-treated with griwecolor Deep Sealer. Surfaces covered with moss or algae should be pre-treated separately. |
| Thinning:               | Not necessary, product is ready to use. If necessary, it can be diluted with water.   |
| Processing equipment:   | Brush, roller or suitable spraying equipment (low pressure, high pressure or airless).  |
| Processing temperature: | Minimum +5 °C air and object temperature. Please protect the wet coat from frost or – in case of very warm weather – from direct exposure to sunlight.  |
| Drying:                 | The dry first coat can be repainted after approx. 6 - 8 hours. Depending on temperature and air humidity drying times are extended.   |
| Clean-Up:               | Immediately in the wet state with water, if necessary in addition with a household detergent.   |

## Consignment & Storage

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| Packaging: | Trading units with 5 l, 10 l or 15 l content.   |
| Storage:   | Keep dry and cool, but frost free! The product can be stored for a minimum of 9 months when kept sealed in the original container. Once the container is opened or diluted, use it soon and keep it tightly closed for storage. Keep out of reach of children.  |
| Disposal:  | Completely emptied containers can be recycled. Containers with hardened remains are residual waste. Containers with liquid remains are special waste and should be disposed at special collecting points according to the locally valid laws on waste disposal. You will find further information regarding the correct disposal on our MSDS. |

## Hazardous warning

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No labelling required as product is non-hazardous.  
Please also follow the instructions on the MSDS.

### You want advice?

Get in touch with us. We are looking forward to your inquiry.