

# OLITERM 52

## Silicone paint

OLITERM 52 is a silicone anticorrosive primer pigmented with zinc dust. It creates coating well adhered to the substrate, with good mechanical properties and exceptional hardness, resistant to weathering and to high temperature.

For the anticorrosive priming of the steel surfaces exposed to the atmospheric conditions and to temperatures up to 500°C.

The paint forms film that withstands permanent heat up to 500°C.



## TECHNICAL DATA

<b>Fields of application</b>	Steel constructions								
<b>Recommended substrate</b>	Steel								
<b>Binder</b>	Silicone								
<b>Solids</b>	40±2% by volume (ISO 3233)								
<b>Total mass of solids</b>	Approx. 890 g/l								
<b>Volatile organic compound (VOC)</b>	No more than 480 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.								
<b>Theoretical spreading rate</b>	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m<sup>2</sup>/l)</th></tr></thead><tbody><tr><td>25</td><td>65</td><td>15.4</td></tr></tbody></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m <sup>2</sup> /l)	25	65	15.4		
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	As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.								
<b>Practical spreading rate</b>	The values depend on the application technique, surface conditions, overspray, etc.								
<b>Colours</b>	TO-840 silver grey								
<b>Gloss (60°)</b>	Matt								
<b>Thinner</b>	TEKNOSOLV 1639, TEKNOSOLV 779								
<b>Storage</b>	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.								

## DIRECTION FOR USE

### Surface preparation

Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water. The surfaces are prepared according to the different materials as follows:

**STEEL SURFACES:** The surface to be treated must be dry, salt-, grease- and dust-free, cleaned to the degree of cleanliness according to ISO 8501-1 at least Sa 2½.

In case of amendment after assembly or to correct small defects of layer it is allowed to repaint it with OLITERM 52 but the surface must be cleaned to the degree of cleanliness PSt3 according to ISO 8501-1. In that cases, well adhered paint surface should be intact. The surface prepared for repainting must be free of oil, grease, dust, mill scale and purely adhered rust. Old paint surface and other contamination or impurities, should be cleaned carefully until it gets metallic sheen due to metallic substrate underneath.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

### Application method

Airless spraying, Brush

### Application

Stir the product homogeneous before use.

Apply by airless spray or brush.

Suitable airless nozzle size 0.013 - 0.017"

### Application conditions

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and the relative air humidity below 80%. Additionally, the temperature of the surface to be treated and the product must be at least +3°C above the dew point of the ambient air. Adequate ventilation during application and drying period is recommended.

<b>Drying time</b>	+23 °C / 50% RH (dry film 25 µm)									
<b>- dust free</b>	after 0,5 h									
<b>- touch dry</b>	after 1 h									
<b>Overcoatable</b>	<table border="1"><thead><tr><th rowspan="2">Surface temperature</th><th colspan="2">By itself or by OLITERM 60</th></tr><tr><th>Min.</th><th>Max.</th></tr></thead><tbody><tr><td>+23 °C</td><td>2 h</td><td>30 days</td></tr></tbody></table>		Surface temperature	By itself or by OLITERM 60		Min.	Max.	+23 °C	2 h	30 days
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The above data apply to a layer of recommended thickness, in case of drying where good ventilation is ensured. The above times in practice depend on site conditions, temperature, ventilation, coats number.

OLITERM 52 can be applied in two layers as independent protection for constructions working under insulation. The shortest period of time (in 23 °C) between applying the paint and exploitation the coat should be at least 24h. Paint dries at room temperature. A coat obtains the total mechanical strength following exposure to temperature at least 150 °C, during minimum 30 minutes. Exposure may follow after minimum 30 minutes (at temperature of 23 °C) of new coat conditioning.

**Cleaning** TEKNO SOLV 1639, TEKNO SOLV 779

## HEALTH AND SAFETY

**Safety and precaution measures** See safety data sheet.

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