

# OLITERM 60

## Silicone paint

OLITERM 60 is a silicone paint pigmented with aluminium. The coating has a good adhesion to steel surfaces; resistant to high temperature exposure up to +650°C.

The paint can be used as a single layer protection of steel construction exposed in temperature up to +650°C or as a topcoat for steel construction primed with ethyl zinc silicate paint GALWASOL 19 or silicone paint OLITERM 52 exposed in temperature up to +500°C.

OLITERM 60 forms a silvery coating withstanding heating up to +650 °C .



## TECHNICAL DATA

<b>Fields of application</b>	Machinery, Pipelines, Steel constructions		
<b>Recommended substrate</b>	Steel		
<b>Binder</b>	Silicone		
<b>Solids</b>	48±2% by volume (ISO 3233)		
<b>Total mass of solids</b>	Approx. 790 g/l		
<b>Volatile organic compound (VOC)</b>	Approx. 490 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>	<b>Dry film (µm)</b>	<b>Wet film (µm)</b>	<b>Theoretical spreading rate (m²/l)</b>
	30	63	15.9
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-850 aluminium grey		
<b>Gloss (60°)</b>	Matt		
<b>Thinner</b>	TEKNOSOLV 1639		
<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.

Steel surface must be dry, grease- and dust-free, cleaned to the cleanliness degree at least Sa 2½ according to ISO 8501-1.

Coat of zinc ethyl silicate paint type GALWASOL 19 or OLITERM 52 dry, without visible corrosion, free of salt, grease and dust.

In case of amendment after assembly or to correct small defects of layer it is allowed to repaint it with OLITERM 60 but the surface must be cleaned to P St3 degree. 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 thoroughly 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 30 µm)		
- dust free	after 0,5 h		
- touch dry	after 1 h		
<b>Overcoatable</b>	<b>Surface temperature</b>	<b>By itself</b>	
		Min.	Max.
	+23 °C	2 h	unlimited
<p>Given indications relates to the recommended coating thickness, drying in good ventilation conditions. The above times in practice depend on site conditions, temperature, ventilation, coats number.</p> <p>In case when paint is applied on zinc silicate coat it is recommended to apply the first layer in thickness not more than 15µm.</p> <p>A coat obtains the total mechanical strength following exposure to temperature at least +200 °C, during minimum 60 minutes. Exposure may follow after at least 60 minutes of new coat conditioning (at temperature of +23 °C).</p>			
<b>Cleaning</b>	TEKNOSOLV 1639		

## HEALTH AND SAFETY

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

**Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091**

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage [www.teknos.com](http://www.teknos.com). All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.