



## TRIOTEMP 400 Zinc-silicate coating

**DESCRIPTION:** A fast drying, one component ethyl silicate based material with a zinc dust content equal to or greater than 85% by weight in dry film, meeting the performance requirements of SSPC Paint 20 (Level 1, Type I) and ISO 12944-5: 2018.

**TYPE AND RECOMMENDED USE:** To protect the steel surfaces from atmospheric loads and high temperatures (up to +400 °C).

### PHYSICAL CONSTANTS:

**Color:** Grey.

**Volume solids:** 60±2 %

**Theoretical spreading rate:** 0,100 ltr / m<sup>2</sup>, with DFT 60 microns.

### Film thicknesses:

#### Typical thicknesses

Film thicknesses	WFT, microns	DFT, microns
Minimum	100	60
Maximum	133	80

### Drying time and overlap interval:

Drying time at a DFT of 60 µm		
The temperature of the surface to be painted	5 °C	23 °C
Drying to tack	2 h	30 min
Dry before applying the next layer *		
minimum	after 7 days (at RH 90% or humidification of surfaces)	after 6 hours (at RH above 80% or humidification of surfaces)

\*only for small repairs

Before applying the next layer make sure that dried primer layer TRIOTEMP 400 withstands the light rubbing of the rag moistened in MEK (ASTM D4752, MEK resistance, (4-5) points). Materials for galvanized surfaces are recommended for further layers.

# Technical Data Sheet



<b>SURFACE PREPARATION:</b>	The material is applied to the prepared and dry metal surface. The process of preparation includes the following operations: elimination of surface defects to P2 ISO 8501-3; degreasing surface (if necessary; recommended solvent – P 4); surface cleaning to the extent Sa 2 1/2 according to GOST R ISO 8501-1-2014, the surface profile after cleaning should be medium roughness (comparator "G"), see ISO 8503-2.
<b>APPLICATION DETAILS:</b>	
<b>Material preparation:</b>	The material is one-component, requires careful mixing before application. In order to avoid settling of zinc dust, the material should be stirred during the work often.
<b>Application method:</b>	Airless spraying.
<b>Thinner:</b>	Not recommended. For more information, please contact the company LLC "O3-coatings".
<b>Nozzle size:</b>	.015" - .021"
<b>Operation pressure:</b>	Not less than 230 bar.
<b>Cleaning of tools:</b>	Thinner TRIOSOLV 0003 (you may use other thinners approved by the company LLC "O3-coatings").
<b>Environmental conditions:</b>	The air temperature is not below plus 5°C; The air humidity is in the range of 50-90% (if below 80% it is recommended to moisten the painted surface, approximately, within an hour after application and to repeat wetting within an hour for several times).
<b>STORAGE:</b>	Watch "Use before" date on label. It is recommended to store in a dry, dark place in the sealed factory packaging at temperature from plus 5°C to plus 30°C with no direct exposure to UV rays and other heat sources.
<b>TRANSPORT PACKAGING:</b>	10 ltr containers.
<b>HEALTH AND SAFETY:</b>	Read the Safety Data Sheet for material.