

Technical Data Sheet



TRIOTEMP 600 Silicone-acrylic coating

DESCRIPTION: One-component silicone-acrylic coating, pigmented with aluminum.

TYPE AND RECOMMENDED USE: The material can be used as a primer, intermediate or finishing layer when operating under ambient conditions. The coating can withstand temperatures up to 600 ° C. The coating can be applied to the surface of carbon steel, galvanized steel, stainless steel and aluminum substrate

PHYSICAL CONSTANTS:

Color: Aluminium.

Volume solids: 40±5 %

Film thicknesses:

Table of Wet and Dry Film Thicknesses

Film Thickness	WFT, microns	DFT, microns
Minimum	50	20
Maximum	75	30

Drying time and overlap interval:

Drying timed for 20-30 microns				
Substrate temperature	5°C	10°C	23°C	40°C
Drying to tack	1 h	45 min.	30 min.	15 min.
Drying before applying the next coat	8 h	5 h	4 h	3 h

The drying time is determined by the actual WFT. The drying times given in this section are of a recommendation nature. When assessing the actual drying time, it is also necessary to take into account the presence of air currents and the relative humidity of the air.

SURFACE PREPARATION: The material is applied to the prepared and dry metal surface with temperature 3°C above the dew point. The preparation process of carbon steel surface 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 with a recommended roughness profile of 50-75 µm; during repair local cleaning P St 3 is allowed, and surface desalination (if necessary); Dust removal

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of the surface to a power of 2 with a particle size of not more than 2 classes according to ISO 8502-3.

APPLICATION DETAILS:

Material preparation:	The material is one-component, requires careful mixing before application.
Application method:	Brush, paint brush, airless spraying.
Thinner:	Thinner TRIOSOLV 0003. For more information, please contact the company LLC "O3-Coatings".
Nozzle diameter (recommended):	.015" - .017"
Operating pressure (recommended):	Not less than 100 bar.
Cleaning of tools:	Thinner TRIOSOLV 0003 (other solvents may be used in consultation with LLC "O3-Coatings").
Environmental conditions:	The air temperature is not below plus 5°C; The relative humidity of the air below 85%
Compatibility with other coatings:	Previous coat: zinc silicate coating, silicone-acrylic coating. Subsequent layer: silicone-acrylic coating.
STORAGE:	24 months from the date of manufacture. It is recommended to store in a dry dark place in a sealed original package at a temperature from plus 5 ° C to plus 30 ° C, avoid direct exposure to UV rays and other sources of heat.
TRANSPORT PACKAGING:	5 or 10 ltr containers.
HEALTH AND SAFETY:	Read the Safety Data Sheet for material.