



www.teknos.com

PRODUCT NAME 04 09.02.2022		TEKNOHEAT 1179-02	
PRODUCT DESCRIPTION		Heat resistant topcoat based on a combination of silicone resin and other binders.	
INTENDED USE		Heat resistant topcoat for metals.	
SPECIAL CHARACTERISTICS OF THE COATING		<ul style="list-style-type: none"> - Excellent adhesion Thermally resistant (short-term exposure up to 600°C possible and permanent resistance up to 250°C)	
TECHNICAL DATA			
Solid content	33 ± 2 by weight.-% 17 ± 2 by volume.-%		
Density (ready-made system)	1.05 ± 0.05 g/cm ³		
Volatile organic compound (VOC)	approx. 710 g/l		
Recommended film thickness and theoretical spreading rate	dry film (µm)	wet film (µm)	Theoretical spreading rate (m ² /kg)
	30	180	5.5
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.			
Practical spreading rate	The values depend on application technique, surface conditions, overspray, etc.		
Drying time, +23°C / 50 % RH (dry film thickness 30 µm)			
- dust dry (ISO 1517:1973)	after 30 min		
Overcoatable, 50 % RH (dry film thickness 30 µm)			
	with itself		
	Surface temperature	min.	max.
	+5°C	after 2 h	-
	+23°C	after 30 min	-
The given values of drying time and overcoatability can change due to film thickness and drying conditions.			
Diluent / thinner and cleaning of equipment	TEKNOSOLV 6750		
Gloss	Dull matt		
Colorshades	Black		
SAFETY MARKINGS	See Material safety data sheet		
DIRECTION FOR USE			
Surface preparation	Remove from the surface any contaminants that might be detrimental to surface preparation and coating. Remove also water-soluble salts by using appropriate methods. The surface should be prepared as follows: STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.		
Application conditions	The surface to be painted must be dry and the relative air humidity below 80%. During the application and drying period the temperature of the ambient air and the surface shall be at least above +5°C and the temperature of the paint must be at least 3°C above the dew point of the ambient air.		
Application	Before use stir the paint thoroughly. Apply the paint with conventional spray, airless spray. Airless spray nozzle 0.009-0.013.		

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in a tightly closed can.

You can find instructions about the surface preparation in the norms EN ISO 12944-4 and ISO 8501-2.

The information on this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly regarding technical and working safety aspects. The latest version of Teknos data sheets, material safety data sheets and system sheets are on our homepage www.teknos.com.