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PRODUCT NAME 04 01.02.2022	TEKNOHEAT PRIMER 1174		
PRODUCT DESCRIPTION	Heat resistant primer based on a combination of silicone resin and other binders.		
INTENDED USE	Primer for TEKNOHEAT 1178.		
SPECIAL CHARACTERISTICS OF THE COATING	<ul style="list-style-type: none"> - Excellent adhesion - Good corrosion protection Thermally resistant in combination with TEKNOHEAT 1178 (short-term exposure up to 500°C possible)		
TECHNICAL DATA			
Solid content	46 ± 2 by weight.-% 26 ± 2 by volume.-%		
Density (ready-made system)	1.19 ± 0.05 g/cm ³		
Volatile organic compound (VOC)	approx. 641 g/l		
Recommended film thickness and theoretical spreading rate	dry film (µm)	wet film (µm)	Theoretical spreading rate (m ² /kg)
	40	155	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 40 µm)			
- dust dry (ISO 1517:1973)	after 60 min		
Overcoatable, 50 % RH (dry film thickness 40 µm)			
	with TEKNOHEAT 1178		
	Surface temperature	min.	max.
	+5°C	after 4 h	-
	+23°C	after 60 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	matt		
Colorshades	Silvermetallic		
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. The paint can be applied using pneumatic spraying.		

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.