

TEKNOHEAT 1178

Silicone topcoat

TEKNOHEAT 1178 is a one-component, solvent-borne topcoat based on a combination of silicone resin and other binders.

It provides excellent adhesion and is intended for use as a topcoat over TEKNOHEAT PRIMER 1174 in high-temperature coating systems. In combination with TEKNOHEAT PRIMER 1174, the topcoat offers thermal resistance with short-term exposure up to 500 °C.



TECHNICAL DATA

Binder	Silicone								
Solids	Approx. 10% by volume Approx. 18% by weight								
Volatile organic compound (VOC)	Approx. 760 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.								
Theoretical spreading rate	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr></thead><tbody><tr><td>15</td><td>150</td><td>6.7</td></tr></tbody></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)	15	150	6.7		
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15	150	6.7							
Practical spreading rate	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. The values depend on the application technique, surface conditions, overspray, etc.								
Colours	Silver.								
Gloss (60°)	Matt								
Thinner	TEKNOSOLV 6750								
Density	Approx. 0.93 g/ml								
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.								

DIRECTION FOR USE

Surface preparation	<p>Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:</p> <p>OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well.</p> <p>The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment. Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.</p>											
Application method	Airless spraying, Conventional spraying											
Application	Stir thoroughly before use. Suitable airless nozzle size 0.009 - 0.013"											
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.											
Drying time	+23°C / 50% RH (dry film 15 µm)											
- dust free	15 min											
Overcoatable	<table border="1"><thead><tr><th rowspan="2">Surface temperature</th><th colspan="2">By itself</th></tr><tr><th>Min.</th><th>Max.</th></tr></thead><tbody><tr><td>+5°C</td><td>2 h</td><td>-</td></tr><tr><td>+23°C</td><td>30 min</td><td>-</td></tr></tbody></table> <p>The values given for drying times and overcoatability may vary depending on film thickness and drying conditions.</p>	Surface temperature	By itself		Min.	Max.	+5°C	2 h	-	+23°C	30 min	-
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	Min.	Max.										
+5°C	2 h	-										
+23°C	30 min	-										
Cleaning	TEKNOSOLV 6750											

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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