

# TEKNOHEAT PRIMER 1174

## Silicon primer

TEKNOHEAT PRIMER 1174 is a one-component, solvent-borne primer based on a combination of silicone resin and other binders.

It provides excellent adhesion and good corrosion protection and is intended for use as a primer for TEKNOHEAT 1178 in high-temperature coating systems. In combination with TEKNOHEAT 1178, the primer offers thermal resistance with short-term exposure up to 500 °C.



## TECHNICAL DATA

<b>Recommended substrate</b>	Steel						
<b>Binder</b>	Silicone						
<b>Solids</b>	Approx. 26% by volume Approx. 46% by weight						
<b>Volatile organic compound (VOC)</b>	Approx. 640 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.						
<b>Theoretical spreading rate</b>	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m<sup>2</sup>/l)</th></tr></thead><tbody><tr><td>40</td><td>150</td><td>6.7</td></tr></tbody></table> <p>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.</p>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m <sup>2</sup> /l)	40	150	6.7
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40	150	6.7					
<b>Practical spreading rate</b>	The values depend on the application technique, surface conditions, overspray, etc.						
<b>Colours</b>	Silver.						
<b>Gloss (60°)</b>	Matt						
<b>Thinner</b>	TEKNOSOLV 6750						
<b>Density</b>	Approx. 1.19 g/ml						
<b>Storage</b>	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.						

## DIRECTION FOR USE

<b>Surface preparation</b>	<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>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.</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>											
<b>Application method</b>	Conventional spraying											
<b>Application</b>	Stir thoroughly before use.											
<b>Application conditions</b>	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.											
<b>Drying time</b>	+23°C / 50% RH (dry film 40 µm)											
<b>- dust free</b>	1 h											
<b>Overcoatable</b>	<table border="1"><thead><tr><th rowspan="2">Surface temperature</th><th colspan="2">By TEKNOHEAT 1178</th></tr><tr><th>Min.</th><th>Max.</th></tr></thead><tbody><tr><td>+5°C</td><td>4 h</td><td>-</td></tr><tr><td>+23°C</td><td>1 h</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 TEKNOHEAT 1178		Min.	Max.	+5°C	4 h	-	+23°C	1 h	-
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<b>Cleaning</b>	TEKNOSOLV 6750											

## HEALTH AND SAFETY

**Safety and precaution measures** See safety data sheet.

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