

TEKNOHEAT 1176

Silicone coat

TEKNOHEAT 1176 is a one-component, solvent-borne silicone paint based on a modified combination of silicone resins.

It provides high corrosion protection and fast physical drying, and is suitable for applications requiring high-temperature resistance. The coating offers short-term thermal resistance up to 450 °C and permanent resistance up to 300 °C.



TECHNICAL DATA

Recommended substrate	Metal		
Binder	Silicone		
Solids	Approx. 34% by volume Approx. 54% by weight		
Volatile organic compound (VOC)	Approx. 600 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	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)
	50	150	6.8
	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 the application technique, surface conditions, overspray, etc.		
Colours	Black.		
Gloss (60°)	Matt		
Thinner	TEKNOSOLV 6740		
Density	Approx. 1.31 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	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: 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. 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.
Application method	Airless spraying, Air-assisted airless spraying, Conventional spraying
Application	Stir thoroughly before use. Suitable airless nozzle size 0.011 - 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 +10°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 - forced drying	+23°C / 50% RH (dry film 50 µm) 1 h at 200°C 30 min at 250°C
Cleaning	TEKNOSOLV 6740

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.
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