

ARMIDUR L281 Silicone Enamel

Heat resistant up to 600 °C

Product Description

High heat resistant 1-component coating of high quality with excellent temperature resistance and corrosion protection for metal surfaces under thermal stress. May be used as a monolayer on outside surfaces not exposed to the weather. Heat resistant up to 600 °C.

Areas of Application

Heat resistant, matt protective coat for steel, iron and grey cast iron, such as industrial and exhaust plants, waste gas chimneys, blast furnaces, etc.

Application

Conventional spraying, brushing and rolling.

Do not apply at temperatures below 10 °C. Surface temperature must be at least 3 °C above dew point to prevent moisture condensation during application.

To make sure that there is a complete hardening and thus the greatest possible hardness is reached, the curing temperature has to be at least at 200 °C.

Application Method	Thinning	Nozzle	Pressure
Airless Spraying	Delivery viscosity	1.2 - 1.5	2 - 3 bar
Brushing	Delivery viscosity		

Special Note

Our information is based on a dry coat thickness of approx. 20 µm, normal climate 23/50 DIN 50014.

The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

Safety Measures

ARMIDUR L281 Silicone Enamel contains solvents and is combustible, therefore protect from heat and keep away from naked flames. Sufficient air circulation must be provided. Do not inhale vapours. All regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Silicone resin
Degree of gloss	Flat
Colour	Pale silver / black
Substrate	Pickling iron, steel and cast iron. The substrate must be dry, free of grease and dust. Chemically derusted substrates are not suitable.
Thinner	V115
Packaging	Disposable containers Aluminium Black 0,85 / 4,5 / 9 kg 5 / 1 kg
Storage	12 months in original, unopened containers stored at 20 °C.
Waste disposal	Residues and expired material are considered as special refuse and must be treated as such, VeVa Code 08 01 11.

Components	1
Drying (23 °C)	Dust-dry approx. 30 minutes Tack free approx. 60 minutes Transportable approx. 12 hours Consistently heat resistant after 1 - 2 hours at 200 °C. Drying times depend on film thickness, substrate- and air-temperatures.

Solids content by weight	25,0 % Aluminium 30,3 % Black
Solids content by volume	21,0 % Aluminium 16,6 % Black
Density (20 °C)	0,98 kg/l Aluminium 1,07 kg/l Black
Theoretical consumption	approx. 95 g/m ² @ at 20 µm (Aluminium)

	ARMIDUR L281 Aluminium	ARMIDUR L281 Black	Thinner V115
Flash point	4 °C	4 °C	4 °C
Danger class RID/ADR	3, II	3, II	3, II
VOC-Gehalt	76 - 83 %		98 %

(replaces issue 04.04)

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