

Resist Primer

Technical Data Sheet



Product classification

Knarr Resist Primer is pure silicone primer for the special industrial facilities where need high temperature resistant. Product has 600°C heat resistance. It also has anticorrosive properties.

The sphere of application

Designed for industrial facilities exposed to high temperatures and corrosion.

Film thickness and theoretical spreading rate

	Minimum	Maximum	Recommended
Film thickness, dry (µm)	46	82	70
Film thickness, wet (µm)	75	135	115
Theoretical spreading (m ² /l)	13.3	7.4	8.7

Physical specifications

Color		Grey
Volume solids	ASTM D2697-03	61%±2
Density (gr/cm ³)	ASTM D1475-13	2.63±0.02
Viscosity (25°C) KU	ASTM D562-10	115±5
Flash point	ISO 3679	35°C±2
Gloss level (GU 60°C)	ASTM D523-14	Matt (0-10)
Pot life (23°C)		3-4 hours
Mix ratio (by weight)		1 units A Comp., 4 unit B Comp.
Thinner		5-10 % Cellulosic Thinner
Heat resistance		Up to 600°C

All results are mixture (A+B) mixtures and can differ slightly depending on color.

Surface preparation

All surfaces must be clean, dry and cleand from dirt. Surface should be valued according to ISO 8501 standard and prepared according to that.

- **Painted surface** – Surface must be dry and clean. The old paint should comply with the ISO 12944 standard.

Application methods

Spray	Airless spray or conventional pistol can be used.
Brush	Recommended for use in small areas. Pay attention to the application of the film thickness.

Guiding data for airless spray

Nozzle tip	0.48 – 0.64 mm (0.013-0.019")
Pressure	15 MPa/2100 psi

“CMT Group” MMC

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Drying and curing time

Drying duration depends on weather conditions, thickness and number of layers. In the table below, approximate drying duration is shown in different temperatures.

- Surface must be good-ventilated (Open air or free air circulation)
- Paint must be applied in recommended thickness
- Thickness must be determined according to the number of layers

Weather temperature	10°C	23°C	40°C
Surface drying	30 min	15 min	10 mins
Full drying	13 hours	4 hours	1.5 hours
Second layer, minimum	13 hours	4 hours	1.5 hours

Information shows above determined according to rules. Drying time can be increased or decreased depending on film thickness, ventilation, old paint system, applications on paint, mechanical resistance and thinner amount.

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact our company for specific system recommendation:

Previous coat: zinc-epoxyepoxy, epoxy plaster, polyurethane

Next coat: acrylic-polyurethane

Typical paint system

Knarr Resist Primer 2 x 70 µm

Knarr Thermal Resist 1 x 50µm

Other system can be determined depending on surface.

Storage conditions

Paint must be stored according to territorial conditions in dry, cool, good ventilated places where there is not any risk for high temperature and sparks. It is recommended to mix the paint before usage. Containers must be kept tightly closed. Shelf life is 24 months (at 23°C).

Packaging

Produced as 6.25 KG A Component and 18.75 KG B Component.

Applier paint specialist

This product is for professional use only. The applicators and operators should be trained, experienced and have the capability and equipment to mix and apply the coatings correctly and according to requisition. Applicators and operators must use appropriate personal protection equipment when using this product.

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Color of the product

When applicable, products primarily meant for use as primers or antifoulings may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Caution

The information above is prepared based on laboratory testing and practical experience. The company cannot guarantee anything but the quality of the product, because products are often used under conditions beyond our control.

Health and safety rules

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Attention: "CMT Group" MMC holds right to change information on this Technical Data Sheet without further notice.

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