

Knafloor PK

Technical Information Page



Product presentation

It is a two-component, solvent-free, epoxy resin based coating with a high content. It is applied to the floor for the purpose of decoration and durability. When applied to the surface, it creates a spectacular orange peel effect.

Surfaces to be used

It is applied as a decorative final layer on the floors of industrial premises, warehouses, car garages and similar objects.

Film thickness and theoretical diffusion area

	Minimum	Maximum	Recommended
Film thickness, dry (μm)	200	700	400
Film thickness, wet (μm)	220	770	440
Theoretical diffusion area (m^2/l)	4.6	1.3	2.3

Physical properties

Color		Can be painted with resin colors
Solid content	ASTM D2697-03	94% \pm 2 (by volume)
Density (gr/sm^3)	ASTM D1475-13	1.98 \pm 0.02
Viscosity (25°C) KU	ASTM D562-10	100 \pm 5
Ignition degree	ISO 3679	36°C \pm 2
Brightness (GU 60°C)	ASTM D523-14	Brightly (70-100)
Mixing time (23°C)		1 hour
Mixing ratio (by weight)		9 pieces A Komp., 1 piece B Komp.
Thinner		Must be thinned with 5-10% epoxy thinner.
Heat resistance		Up to 120°C (1 hour at 140°C maximum)

All results are mixed (A+B) and may have slight color differences.

Surface preparation

All surfaces must be clean, dry and clean. Surface irregularities should be removed with special machines. The protrusions must be removed and filled with special materials. A primer must be applied prior to use.

Ways to use

Trowel	Expedient. Attention should be paid to the application in the specified thickness.
Roll	Expedient. Attention should be paid to the application in the specified thickness.
Brush	Recommended for cuttings and small areas. Attention should be paid to the application in the specified thickness.

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Drying time

Drying time mainly depends on the weather conditions, the thickness of the applied layer and the number of coats applied. The table below shows the approximate drying time of the paint depending on the air temperature.

- The room to be painted must be well ventilated (open air or free air circulation).
- Paint should be applied at the recommended thickness.
- The thickness must be applied taking into account the number of applied layers.

Air temperature	10°C	23°C	40°C
Surface drying	2 hours	1 hour	30 minutes
Hard drying	10 hours	5 hours	3 hours
Complete (hard) drying	10 days	5 days	3 days
Applying a second coat of at least	10 hours	5 hours	3 hours

The above information was obtained in accordance with the rules. Drying time may increase or decrease depending on film thickness, ventilation, surface painting system, painting operations, mechanical stability and amount of thinner added.

Product compatibility

The paint can be used with various primers and finishes. Some of them are shown below. For more accurate systems, it is recommended to contact our company:

Next layer: epoxy

Typical paint system

Knarr Knafloor PR	1 x 300 µm
Knarr Knafloor SL	1 x 400 µm
Other systems may be determined by the scope.	

Storage conditions

Paint should be stored in a dry, cool, well-ventilated, covered warehouse that is hot and non-sparking, subject to local conditions. It should be mixed well before use. Containers must be tightly closed. Shelf life (at 23°C) - 24 months.

Packing picture

It is produced as component A with a weight of 18 kg and component B with a weight of 2 kg.

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Implementation operator

This product is intended for professional use. The applicator or operator must be experienced and knowledgeable about the product. The named person must mix and apply the paint according to the specification. Workers participating in the application must be provided with protective equipment.

Attention

The above information is based on results obtained from laboratory testing and field testing. In applications not under the control of the company, the responsibility for the quality of the paint lies solely with the company. It is not responsible for problems that may arise due to implementation and application errors.

Safety and health regulations

Follow the instructions on the container. Store in warehouses where there is no possibility of exposure to high temperatures and sparks. Use in well ventilated areas. In case of skin contact during use, wash with a suitable solvent and then with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice if necessary.

Note: "CMT Group" LLC reserves the right to change the information on the technical data page without prior notice.

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