

Knafloor DuroGlass

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. It is fully transparent and is used to preserve the concrete's own appearance or to produce a 3D 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) | 300 | 1000 | 600 |
| Film thickness, wet (μm) | 320 | 1064 | 640 |
| Theoretical diffusion area (m^2/l) | 3.1 | 1.0 | 1.6 |

Physical properties

| | | |
|-------------------------------------|---------------|---|
| Color | | Transparent |
| Solid content | ASTM D2697-03 | 94% \pm 2 (by volume) |
| Density (gr/sm^3) | ASTM D1475-13 | 1.11 \pm 0.02 |
| Viscosity (25°C) KU | ASTM D562-10 | 75 \pm 5 |
| Ignition degree | ISO 3679 | 36°C \pm 2 |
| Brightness (GU 60°C) | ASTM D523-14 | Brightly (70-100) |
| Mixing time (23°C) | | 0.5-1 hour |
| Mixing ratio (by weight) | | 2.2 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

| | |
|-------|---|
| 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 | 16 hours | 8 hours | 4 hours |
| Complete (hard) drying | 12 days | 8 days | 4 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 Duroglass | 1 x 600 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 10 kg and component B with a weight of 4.5 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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