

PRODUCT INFORMATION

Körapur 689



KÖMMERLING CHEMISCHE FABRIK GMBH

For coating floors of lorries, containers, sales vehicles, caravans, caravanettes, etc. on glass-fibre reinforced plastics, aluminium, primed steel sheets and timber

- Permitted to come into contact with foodstuffs, physiologically unobjectionable
- Particularly suitable for fresh service, meat, fish and deepfreeze vehicles (tested down to -30°C)
- Approved for indirect contact with foodstuff - Test certificate available

TECHNICAL DATA

Base	Polyurethane, two-component, solvent-free		
Colour	Grey, approx. RAL 7037		
Density			DIN 53 479
- resin	1.5	g/cm ³	
- hardener	1.2	g/cm ³	
- mix	1.4	g/cm ³	Sp. 3/100 Rpm, 23 °C (Kö-Method 100000)
Viscosity			
- resin	12.000	mPa•s	
- hardener	150	mPa•s	Koe-Method 52 102
- mix	3600	mPa•s	
Hardener / accelerator	Köracur TH 240		
Mixing ratio	4 : 1	units by weight	
resin : hardener	3.3 : 1	units by volume	
Pot life	40	min (+20°C)	

PROCESSING

Processing temperature

+15°C to +25°C

Preparation

The surfaces to be coated must be disposed horizontally, dry and free from dust and grease. The substrates must be prepared in order to assure a good adhesion.

Uncoated wooden sheets must not exceed 8–12 % of humidity. If higher wood moisture is detected, then the wood can be pretreated with **Körapox BS 85**.

Airing time: overnight

Coats on wooden sheets must be removed completely by grinding. Sheet joints are to be banded by tongue and groove and by frictional connection. If necessary, a glass fibre cloth strip must be inserted in order to avoid the formation of tearings and marks. Fill holes and sinkings, e. g. with with **Körapur 666**.

Polyester must be thoroughly grinded. Polyester surfaces which may contain release agents, such as paraffine, must be sand blasted.

Degrease and grind stainless steel and aluminium surfaces. Adhesion must be tested for compatibility by carrying out preliminary trials.

Primed steel panels must be cleaned with **Körasolv PU** and then coated with a thin layer **Körapur 666** as bonding agent. Coating weight: 100-200g/m²

Make sure to use only material from one batch of **Körapur 689** per floor to avoid color differences.

When repairing older floors, particular care must be given to the pretreatment of the substrate. Good results are achieved with sand blasting.

KÖRAPUR 689

Coating

Mix resin and hardener intensively in the weight ratio 4:1 with a stirrer unit (approx. 400 rpm), until no colour differences are still discernible. Pour the mixed compound into another clean vessel. Process only from this 2nd vessel.

The mixing process must be carried out thoroughly, but should not last longer than 5–8 minutes overall. One mixing unit of **Körapur 689** = 15 kg is sufficient for approx. 3 m² floor covering with a layer thickness of 3–4 mm. Mark this area on the floor by means of a line. Pour out the content of the mixing vessel immediately in 2 portions and disperse with a toothed spatula. After stirring, the compound must be processed within a maximum of 15 minutes, so that optimum flow is ensured. The coated surfaces can be exposed to light strain after 6–8 hours. The final coat strength is reached after 24–36 hours. Higher temperatures accelerate the cure, lower temperatures decelerate the cure.

After the smooth coating with **Körapur 689** a coating with **Körapur 690** or sprinkling sand or corundum can create a slip resistant surface. Between the base coat with **Körapur 689** and the anti-slip coating with **Körapur 690** should not be more than 24 hours.

By preparation of the slip resistance by sprinkling sand and corundum, please wait 1-1½ hours with the bedding. Sinking in the base coat possible!

CLEANING

Körasolv PU.

Clean tools immediately after use. Cured adhesive can only be removed mechanically.

SPECIAL NOTES

Storage

Do not store at temperatures below +10°C and not for more than 12 months.

Körapur 689 is not UV-resistant, discoloration is possible.

SAFETY

Please read our Safety-Data-Sheet and the labels of each product before use.

Pay particular attention to the directions given in the Dangerous Substance Regulations.

Make sure the safety data sheet is readily available as it gives valuable information regarding the safe usage and disposal of the product and what to do in the event of an accident involving the product.

PACKAGING UNITS

Körapur 689 A + B:

15 kg mixing unit in stacked container

For safety related data please refer to the safety data sheet!

Please note: All given data are based on careful examination in our laboratories and our past practical experience. These are non-binding indications. Given the high number of materials appearing on the market and the different methods of use which are beyond our influence and control, we naturally cannot accept any responsibility for the results of your work, also with regard to third party patent rights. We recommend that sufficiently thorough tests be carried out to ascertain whether the product described will meet the requirements of your particular case. Please also note our Terms of Sale, Delivery and Payment. This product information replaces all previous issues.



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