

Parkhaus-Oberflächenschutzsystem KLB-SYSTEM POLYMER EC 5650

Elastic, 1-component top sealer for concrete protection in multi-storey and underground car parks, suitable for sealing system K8 KLB PARKING OS5b Wall

Packaging units

Article no.	Content (kg)	Units/pallet
DP7203-00	15.00 kg	30

Product characteristics

Processing time	Ready-to-use. Not limited!
Processing temperature	Minimum 5 °C / 41 °F, Maximum 40 °C / 104 °F (room and floor temperature)
Curing	Dust-dry after 12 hours and resistant to rain at 20 °C / 68 °F
Further coatings	Can be recoated after 24 hours at 20 °C / 68 °F
Consumption	0.150 - 0.170 kg/m ² (1st layer diluted with 5-10% of water) 0.150 - 0.200 kg/m ² (2nd layer undiluted)
Layer thickness	(per layer) 100 µm
Colours	White and grey
Shelf life	6 months (originally sealed) - Protect from frost!

Product description

Parkhaus-Oberflächenschutzsystem KLB-SYSTEM POLYMER EC 5650 is a high-quality, pigmented, flexibilised and ready-to-use dispersion coating to be used in combination with **Parkhaus-Oberflächenschutzsystem KLB-SYSTEM POLYMER EC 5610 +** for protecting against the penetration of harmful substances, water and other chemicals.

Parkhaus-Oberflächenschutzsystem KLB-SYSTEM POLYMER EC 5650 consists of a high-quality dispersion formula and offers a very good opacity also on concrete and reinforced concrete substrates that are not accessible, as well as on wall or ceiling surfaces in the exterior or interior areas of multi-storey and underground car parks.

The ready-for-use adjustment allows processing to be carried out by rolling or brushing. The product is environmentally friendly and cures by drying of the water contained and by film formation of the dispersion binder to a weather-resistant film with a very high adhesion on substrates.

Area of application

- As system protective layer for wall surfaces or ceilings made of concrete in exterior and interior areas of multi-storey and underground car parks
- As system protective coating for **EC 5610 +** within the surface protection system OS 5b
- Suitable for cement-bound substrates

Product features

- physiologically harmless
- ready-to-use
- free of deleterious substances against varnish
- crack-bridging
- water vapour-permeable
- environmentally friendly

- elastic

Technical data

Viscosity	< 100	mPas	DIN EN ISO 3219 (23 °C / 73.4 °F)
Solid content	> 64	%	KLB method
Density	approx. 1.42	kg/l	DIN EN ISO 2811-2 (20 °C / 68 °F)
Adhesive tensile strength	> 1.0	N/mm ²	DIN EN 1542
Flashpoint	Non combustible	-	

The values established in tests are average values. Deviations from the product specification may occur.

Included in systems

- [System K8 - KLB PARKING OS5b Wall](#)

Please visit our website to get more information about our KLB systems: www.klb-koetzal.com

Substrate

The substrate must be even, dry, free of dust, sufficiently resistant to tension and compression, as well as be free from weakly-bonded components or impurities. Materials impairing adhesion such as grease, oil, rust, dust and paint residues should be removed with suitable measures. The substrates to be sealed, like concrete surfaces, must be prepared mechanically, preferably by grinding. The average surface strength must then be at least 1,0 N/mm² (smallest admissible single value is 0.6 N/mm²).

Observe the information issued by the trade associations, e.g. the most recent version of BFS Fact sheet 1.

The first layer of the system protective coating **EC 5610 +** onto the surface protection system OS 5b can be applied after hardening. Please refer to the product information of **EC 5610 +**.

In case of old coatings or if a surface assessment is not possible in advance, we recommend testing on a trial surface

Processing

The product is delivered to the building site in a ready-for-use condition, but must be stirred briefly before processing. The application of the protective layer **EC 5650** can be done as soon as the substrate has completely dried.

The product is applied in at least 2 layers. The first layer is diluted with a maximum of 5 to 10% of water. The consumption is then at approx. 150 - 170 g/m².

The second layer is then applied undiluted. The consumption is at approx. 150 - 200 g/m². Seek advice if necessary!

Process the protective layer using a velours sealing roller (pile height 8 or 14 mm), alternatively, with a long-pile painting roller (pile height 18 mm) or a brush. Application is done in a uniformly thin and closed layer on the surface.

Typically, work areas are divided up beforehand to avoid duplicate application and haphazard overlapping.

For larger areas, it is recommended that 2 or more people carry out the application. One or more persons apply the material in one direction, e.g. on the floor, while another person distributes the fresh sealing material in a crosswise motion (90° angle). Use a 50 cm wide roller on larger surfaces for the final re-rolling. The

distribution roller should be saturated/wetted with material and only be used for distribution, never for application. For sealing, keep within a coordinated work rhythm – criss-cross rolling may not be carried out too late. Always work “fresh-in-fresh” and ensure optimum distribution of the material – both when rolling on the wall and on the floor. Avoid uneven layer thicknesses.

Floor and wall temperature must not fall below 5 °C / 41 °F or over 40 °C / 104 °F and humidity should not exceed 65% during processing. The recommended climatic conditions must also be maintained during curing or drying. The difference in floor and room temperature must remain less than 3 °C / 3 K / 5.4 °F so as not to impede the curing process. If a dew-point situation arises, regular curing will not be possible with hardening problems and spotting to occur. Exposure to water and chemicals should be avoided during the first 7 days. The specified curing times apply for 20 °C / 68 °F; temperatures below this require longer processing and curing times, while higher temperatures require shorter times. If working conditions are not complied with, the technical properties of the end product may deviate from those specified.

Special remarks: coloured products should always belong to the same batch and be used on the same surface, as slight colour deviations in different batches cannot be excluded due to the raw material. The batch number is indicated on the container labels. For white colour shades, the recommended layer thicknesses must be observed to ensure opacity.

Cleaning

To remove fresh contamination and to clean tools, use water immediately.

Storage

Store in dry and at frost-free conditions. Ideal storage temperature is 10 - 20 °C / 50 - 68 °F. Protect from direct sunlight. Bring to a suitable working temperature before application. Tightly re-seal opened containers and use the content as soon as possible.

Special remarks

The necessary information is contained in the DIN Safety Data Sheet. Observe all identification information on the container label!

GISCODE: D1

Indication of VOC-content:

(EG-Regulation 2004/42) Maximum Permissible Value 140 g/l (2010,II,i/wb): Ready-for-use product contains < 140 g/l VOC.

CE marking

	
KLB Kötztal Lacke + Beschichtungen GmbH Günztalstraße 25 FRG-89335 Ichenhausen	
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EC 940 Grund-V1-2020	
DIN EN 13813:2003-01	
Synthetic resin screed mortar DIN EN 13813: SR-B1.5-AR0.5-IR4	
Fire behaviour	B ₁ -s1
Emission of corrosive substances	SR
Wear resistance BCA	AR 0.5
Adhesive tensile strength	B 1.5
Impact resistance	IR 4



Please consider the latest version of this product information on our website.

All stated information is based on our experience and technical preparation. We guarantee the correct and proper quality of our products. We do not assume any responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions. We recommend on-site trials to be conducted in individual cases. With the publication of this new KLB product information, all prior information loses validity. The latest version is available electronically on our website www.klb-koetzal.com. In addition, our "General Terms and Conditions" apply.