

Product 022300000

PU coating-layer, 2-comp., grey

1 General Data

Application Fields

PORPLASTIC L3000 is used as coating layer at PORPLASTICACTIVE urban system.

Product Description

PORPLASTIC L3000 is a solvent-free, ready-to-use two component polyurethane coating material. PORPLASTIC L3000 with its excellent abrasion resistance is especially used for coatings at PORPLASTICACTIVE urban system.

Properties:

- Crack-bridging
- Abrasion resistant
- Low odour

Sports Surfacing Systems

PORPLASTIC L3000 is the coating layer at:
- PORPLASTICACTIVE urban

Technical Support

For detailed descriptions of VIACOR systems see VIACOR system data sheets or contact our technical support.

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(A) Technical Data Sheet

Mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	1.41 g/cm ³
3. Viscosity (20°C)	2000 - 3000 mPas
4. Packaging size (2-component container)	25 kg (20,2 kg A + 4,8 kg B)
5. Colour	grey
6. Shelf life	12 months in closed original container
7. Storage	Dry at 10–25°C, avoid direct sunlight

(B) Technical Data

Cured material

1. Adhesive strength (DIN EN ISO 4624)	> 2.0 N/mm ² (concrete failure)
2. Hardness Shore-D- (DIN EN ISO 868)	approx. D73
3. Elongation at break (DIN 53504)	approx. 30 %
4. Tensile strength (EN ISO 196/ASTM C109)	approx. 20 N/mm ²

(C) Technical Data

Liquid mixture (A+B)

1. Mixing ratio A : B	100: 24 by weight
2. Working time	at 12°C approx. 40 min. at 20°C approx. 30 min. at 30°C approx. 15 min.
3. Application temperature	10–30°C (min. 3K above dew-point)
4. Permissible rel. humidity	min. 30 – max. 80%
5. Material consumption incl. quartz sand (10-20%)	approx. 1.6 kg/m ² approx. 1.7 – 2.0 kg/m ²
6. Foot traffic (20°C)	after 12 – 24 hours
7. Consecutive layer (20°C)	within 18 – 36 hours
8. Fully capable of withstanding stress mechanical (20°C) chemical (20°C)	after 7 days after 28 days

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str. 78, D-72108 Rottenburg, Tel. +49/7472-94999-0, info@viacor.de, www.viacor.de

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PU coating-layer, 2-comp., grey**2 Processing Instructions****Substrate Preparation**

The substrate must be clean and free of dust and loose particles. The crack-bridging layer should be applied no later than 24 h after the previous layer has been laid. In case of longer breaks before overcoating, please contact our technical support.

Processing

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The A-component must be stirred for at least 2–3 minutes. Then the entire content of the A-component is emptied into the B-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2–3 minutes). The inclusion of air in the mixing process is to be avoided. The mixture is poured into another container and briefly stirred again. Then approx. 10 - 20 % of quartz sand VIAOSL QS 0.1-0.4 is added. PORPLASTIC L3000V is poured onto the surface and spread over the entire area using a serrated spatula (tooth size no. 25 or 48) (layer thickness control). To achieve uniform layer thicknesses, the tooth rows of the spatula must be regularly replaced.

For cleaning of tools and other dirt VIASOL SO-X12 cleaner is recommended.

Safety Instructions

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed. Suitable protective clothing including suitable eye protection must be worn.

Disclaimer

All information in this technical data sheet is based on our current knowledge and experience. This does not release the applicator from performing their own tests as many application factors, beyond our control, affect the application of our product. No guarantee of characteristics or suitability for a special purpose can be derived from this information. All present data, descriptions, drawings, photos, ratios, weights etc. are subject to change without prior notice and do not represent contracted characteristics of the product.

Due to different materials, sub-bases and working conditions, no guarantee of an application result or any liability claims can be derived from these details or from an unwritten technical advice except for liability claims based on:

- damage to life, body or health resulting from a negligent violation of obligations or a deliberate or negligent violation of obligation of a legal representative or assistant and
- if we are charged with intention or gross negligence.

The user has to test the products for their intended use. The user is responsible for following existing laws and orders and for observing third party trade mark rights.

As all VIACOR data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).