KLB KÖTZTAL
Lacke + Beschichtungen GmbH

KLB-SYSTEM
Armierungsvlies VA 1035

Highly tensile, impregnatable special fleece for reinforcing and strenghtening coatings on unstable substrates as well as for elastic polyurethane or PMMA sealers

Packaging units

Article no.	Content (kg)
ZG9005-35	1.00 Rl

Product characteristics

Weight per unit area	0.030 kg/m²
Roll width	100 cm
Roll	100 m²
Product size/product length	Roll 100 running metres
Tear force	40 N
Maximum tensile elongation	16/17 %
Breaking strength longitudinal	65 N/(5 cm)
Breaking strength transverse	55 N/(5 cm)

Product description

The reinforcement fleece **KLB-Armierungsvlies VA 1035** is a thin synthetic fiber fleece with high with high tensile strength and low elongation capacity. Due to the low weight per unit area and thickness, combined with the open structure, the fleece is easy to lay. **KLB-Armierungsvlies VA 1035** is used to reinforce coatings on substrates susceptible to cracking in rigid primers, undercoats or even coatings. **KLB-Armierungsvlies VA 1035** can also used in elastic, crack-bridging reactive resin coatings such as **KLB-SYSTEM POLYURETHAN PU 425, KLB-SYSTEM POLYURETHAN PU 426** or with flexible polymethacrylic resins such as it is **KLB-SYSTEM-ACRYL AC 390**.

The fleece is subsequently inserted into the still fresh resin layer and pressed on with a spiked or laminating roller. Due to its good wettability, the fleece is easy to be incorporated. The extremely low layer thickness of approx. 0.3 mm allows the height offset of overlapping fleece to be very low with careful application. The fleece can therefore also be worked over in thin layers without the joints becoming visible. Adjacent webs should overlap by at least 10 cm, but thicker overlaps or double layers can be applied without any problems.

Area of application

The reinforcement fleece **KLB-Armierungsvlies VA 1035** can be incorporated easily into primers or coatings:

- For reinforcing coatings and primers.
- For reducing cracks in coatings on unstable, cracked substrates.
- As inlay for rigid and flexible intermediate layers.

- To increase the crack-bridging properties on flexible polyurethane or polymethacryl sealers.
- As a tape also in several layers and on rising building components, penetrations, etc.

Product features

- easy application
- good wetting properties
- crack-bridging
- overlaps don't appear thick
- stabilising the substrate
- high chemical resistance
- elastic

Processing

The fleece must be cut to the required surface size beforehand. This is followed by the application of the resin coat, either as priming layer or as coating. The reinforcement fabric is then inserted into the still fresh resin and re-rolled depending on the requirements using a spiked or laminating roller until fully wetted. Sheets can be laid overlapped. Approximately 10 cm of overlap is recommended, but thicker ones or double layers can also be made based on the requirements.

Reinforcement of crack-bridging coatings on unstable substrates

- Prepare the substrate, such as concrete, cement scred, etc. mechanically, for example by shot-blasting.
- Apply the recommended priming resins, e.g. **EP 52 Spezialgrund, EP 55, EP 58**, with a consumption of approx. 0.400 - 0.450 kg/m².
- Insert the reinforcement fleece into the still fresh priming resin and press it with a laminating roller onto the substrate. For overlaps, a further resin application can be necessary.
- After hardening, subsequent coating layers can be applied. Refer to the respective product information and respect the usual specifications about time slots and any intermediate grinding to be carried out eventually.

Reinforcement of sealers

- Apply the recommended priming resins, e.g. **EP 52 Spezialgrund, EP 55, EP 58**, with a consumption of approx. 0.300 - 0.400 kg/m².
- Open scattering the fresh surface with quartz sand **KLB-Quarzsand 0.3/0.8 mm**, consumption approx. 0.5 - 1.0 kg/m².
- Prepare a scratch coat with EP 55 and mixed sand KLB-Mischsand 2/1 in a mixing ratio of 1 : 0.8 parts by weight, consumption of the mixture approx. 0.8 - 1.2 kg/m².
- If necessary, the floor/wall transitions as well as the connections on the floor, drains and gutters are glued onto the prepared primer using the KLB sealing ribbons **KLB-Dichtmanschetten** and sealing tapes **KLB-Dichtbänder** with **PU 426**. On walls, it is recommended to set the **PU 426** with suspending agent **KLB-Stellmittel 3 Super.**
- Apply 1.6 to 2.0 kg/m² of the **PU 426** sealing resin to the floor using a toothed trowel. The reinforcing fleece is inserted into the still liquid resin. Ensure overlapping in the case of adjoining webs. The reinforcing fleece is pressed onto the substrate with a laminating roller.

- To ensure a secure waterproofing, the reinforcement fleece is coated with a further 1.2 to 1.4 kg/m² type "wet in wet".
- The reactive resin coating is laid on top of the waterproofing.

Storage	The rolls must be stored upright and dry. Roll deformation due to load should be avoided. Do not load pallets. Protect from moisture and dirt. Pallets must not be stored on top of each other.

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

KLB KÖTZTAL Lacke+Beschichtungen GmbH
Günztalstraße 25
89335 Ichenhausen, GERMANY
Phone +49 (0) 8223-96 92-0
Fax +49 (0) 8223-96 92-100
www.klb-koetztal.com
info@klb-koetztal.com