

## **Silipox®Baukleber 826**

Thixotropic 2-component epoxy resin glue and filler for construction applications and glue for Flex Tapes

Silipox®Baukleber 826 is a solvent-free epoxy resin adhesive with a paste-like thixotropic consistency. The two-component product is easy to apply and adheres very well to all mineral substrates, metal and many plastics. The reaction product is a hard elastic resin with high strength.

Both components contain mineral fine fillers and are matched to each other so that they can be mixed volumetrically or by weight 1 : 0,35. The components are pigmented differently in color. When the components are mixed, the result is a uniformly colored glue, so the correct mixing of the components is easily recognizable.

Silipox®Baukleber 826 can be used wherever concrete, natural and artificial stone or coarse ceramics (stoneware) must be permanently bonded to itself or to each other and thick layers must be applied. Adhesion and cohesion of the adhesive layer are greater than the inherent strength of a high-quality concrete, so that under load the strength of the adhesive joint is higher than that of the building material bonded with the adhesive.

Typical applications are the use as an adhesive filler for bonding natural stone slabs over a large area (e.g. for stairs), the liquid-tight laying of tiles or stone coverings, even under high mechanical loads (e.g. for industrial floors), the bonding / fixing of anchors and dowels in drilled holes (e.g. for machine foundations) and the pressurized-water-tight sealing of clamping points (wall thicknesses) made of fibre concrete.

Installation of HydroFlex®275 and HydroFlex®276 sealing membranes. The fillers incorporated are so finely distributed that Silipox®Baukleber 826 can be drawn out "to zero". The product can therefore also be used as a repair filler. High layer thicknesses can be applied without difficulty, even on vertical surfaces or overhead, without the layer running off or sagging.

The two components of Silipox®Baukleber 826 must be mixed properly for processing and are then immediately ready for use. The long pot life of the mixtures make processing easy and trouble-free.

If necessary, it is possible to shorten the reaction time by adding HydroCat®-AKTIVATOR 825. With the appropriate dosage of this accelerator the setting times can be reduced by 50 %.

### **Product data**

Components	: 2 ("A" + "B" )
Mixing ratio	: A:B = 7,4 kg : 2,6 kg
Colour (mixed)	: Light grey
Density (mixed 1:1)	: ~ 1,5 gr/ml at 20°C
Viscosity (mixed 1:1)	: Soft paste-like mass, stable thixotropic
Processing time at 20°	: ~ 60 - 80 Min
Minimum temperature	: 8° C

## Processing

For processing, both components are placed together 1 : 0,35 (by volume or by weight) in a sufficiently large, clean and dry bucket and carefully mixed by stirring with a stirring device (e.g. drill with mixing element/mixing paddle or propeller). Stirring by hand is not sufficient. The mixed product must be uniform in colour and free from streaks.

This mixture can be processed immediately without a maturing time. Always mix only as much material as can be processed in a reasonable time. Large quantities of material lead to a self-acceleration of the reaction due to the heat of reaction that is generated - the possible processing time can be drastically reduced. High material or ambient temperatures also shorten the pot life (as with all reactive resins).

The materials to be bonded should be dry, clean and free of separating impurities. A non-positive connection with concrete surfaces requires the removal of dust and friable fine layers ("cement slurry") and the exposure of the load-bearing core concrete. Metals must be degreased.

We recommend the safety solvent HydroSolv®520, which is specially adapted to our resins, as a cleaning agent and solvent for cleaning machines and equipment. If necessary, aromatic solvents such as xylene or toluene can also be used (CAUTION - inflammable and hazardous to health!).

Contaminations caused by cured epoxy resin can only be removed with great difficulty. It is therefore advisable to take the necessary protective measures by covering etc. and to remove fresh dirt immediately.

## Safety and storage instructions

When used as an adhesive in accordance with its intended purpose, Silipox®Baukleber 826 is physiologically largely harmless. We recommend wearing protective clothing and goggles. The national regulations (e.g. of the trade associations) for the processing of epoxy resins must be observed.

In case of direct eye contact with the basic components or the mixture, always rinse with plenty of water for 15 minutes and then consult a specialist immediately.

The product must be stored in a cool, dry place and in such a way that it is not accessible to children. It must not be stored together with food and is not intended for consumption. Silipox®Baukleber 826 can be stored well sealed for at least 12 months.

Further and detailed information on the safe handling of this product can be found in the safety data sheet for Silipox®Baukleber 826.

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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## ARCAN Waterproof

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