



SiliBond®697

Light- and weather resistant, flexible PUR-casting resin

SiliBond®697 is a all-round usable liquid plastic. The product is solvent-free, low-viscous and fast setting. The hardens to limp layers with excellent abrasion resistance. It is totally weatherproof and no yellowing even at intensive insolation.

Our product is a classic 2 component material, consisting of main component and hardener. For use, it must be mixed 1 : 1. Apply it directly after mixing. Processing and setting time are relative short and dependent on temperature.

SiliBond®697 is versatile. The product is used as a colorless clear coat for sealing stones and slabs. Or for grouting cracks on facades, hollow screeds and tiles and similar injection work on building components where, for example, resin leaking from the surface must not impair the appearance.

Properties

Product delivered	Reactive plastic, made of two components
Type	Polyurethane
Component A	Polyetherpolyole, additives and auxiliary material
Component B	Aliphatic, polymeric diisocyanate
Mixing ratio A : B	1 : 1
Viscosity	~ 500 - 800 mPa.s (20°C)
Density	~ 1,02 g/ml (20°C)
Odour	Very weak, typical
Colour	Colourless, clear or dimmish
Layer surface	Bright (on demand matted)
Processing temperature	+8 up to +30°*
Pot-life	~ 30 - 40 minutes (20° C/ 100g)
Setting time	~ 200 - 250 minutes, at 20°C and 2 mm thickness
Usable after	12 hours
Chemically fully usable	After 7 days, at 20°C

*Special setting for higher temperatures are possible

Processing Durable, mechanically resilient coatings with reactive plastics are only possible on substrates that comply with the regulations. These technical requirements and prerequisites are generally known* and are now state of the art; they also apply to SiliBond®697. The user will also find information on this in the application instructions for our product.

*e.g. "ZTV-SIB"

Like all reaction resins, the two SiliBond® components must be mixed carefully before processing. When processing partial quantities, the specified ratio of the components (1 : 1 by volume) must be observed. Mixing should always be carried out for at least three minutes, even when mixing small quantities, and always with a slow-running agitator. The mixed material should also be re-potted before processing and get mixed a second time.

As a typical PUR - system, the liquid product is water-sensitive and reacts with any form of moisture. This produces gaseous carbon dioxide (CO₂). Therefore avoid any contact with water during processing. Supplements used, e.g. sand or gravel must be dry (oven-dried!).

IMPORTANT: In case of relative humidity $\geq 75\%$ sealings (Top-Coats) made of SiliBond®697 should not be processed anymore - especially when applying thicker layers - there is a risk of surface problems due to „Pinholes“ and fine bubbles.

Storage
Working safety
Disposal

No particular dangers arise from the individual components. The products should be tightly closed, stored cool and dry in such a way that they are not accessible to children and third parties.

Safety data sheets are available for both components. They contain all relevant information on the safe handling of the products. These data sheets should be accessible to all those who deal with the products.

SiliBond®697 can be disposed as usual building waste. Unmixed product residues are appropriately mixed with the second component for disposal and eliminated after setting as described above.

Tools and equipment can be cleaned with our special solvent Hydrosolv®520. Solvents or solvent mixtures which contain water, amines or alcohols are not suitable for cleaning.

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.

ATI-697
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ARCAN Waterproof
ARCAN GmbH Spezialbaustoffe

Kleinniedesheimer Strasse 19
D-67240 Bobenheim-Roxheim
Phone: +49 (0)6239 - 99 78 20
Mail: office@arcan.biz
Web: www.arcan.biz

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