

DuroFlex®676

Polyurethane-liquid rubber for filling of floor joints

DuroFlex®676 is a universal useable grouting compound for filling and sealing of horizontal working and dilatation joints made of diverse building materials. The product consists of 2 components. After mixing it reacts to high elastic polymer with high resistance within a defined time. It has excellent adhesion to joint edges and surface and very good chemical resistance.

We use a aliphatic PUR binding agent in DuroFlex®676. The product is light resistant and can be used outside. DuroFlex®676 contains no solvents and migrating emollients. DuroFlex®676 can also be used in contact with asphalt, light natural stones or similar problematic substrates.

Processing

For the use of DuroFlex® grouting compound the same rules are valid than for every other coating with liquid rubber.

Surfaces - in this case joint edges - must be clean, dry, stable and free of separating substances. In case of doubt use a primer. For dilatation joints, avoid contact of DuroFlex® with the backside of the joint (filling profile or separating foil), otherwise you can get toe-cracks in your joint compound.

The layer thickness of a joint filling with DuroFlex® must be at least 10 mm, the joint width must be ≥ 10 mm. A rule of thumb is that the thickness of the joint filling must equal or bigger than the width of the joint.

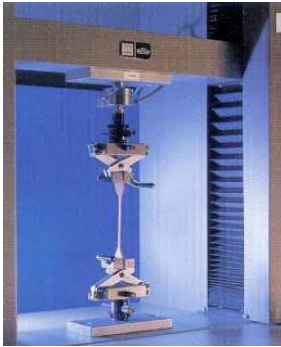
DuroFlex®676 flows very good. The mixed material can be used by hand or grouted with a suitable handling device.

For mechanical use, we can recommend eccentric screw pumps with adjustable rate of delivery and remote control, like our machines M-5 or M-6. A use of this 1-C machines is without difficulty regarding to the long pot life of DuroFlex® joint compound (60 minutes, as delivered*).

*At 20 °C material temperature

Annotation: To avoid air pockets or sinking in deep joints with low cross section, we recommend bottom-up filling.

Properties



Product data

Product delivered	2 liquid components
Composition	Polyol formulation with isocyanate as hardener
Density	1,3 - 1,35 g/ml (20°)
Viscosity	Approx. 1200 mPa.S (20°)
Processing time	Approx. 60 minutes (20°)
Setting time	Approx. 18 - 24 h (20°)
Solids content	100 %

Technical data

Elongation	Approx. 150 %
Shore-hardness A	Approx. 60 - 65
Surface	Silk mat

Colours

DuroFlex®676 can be coloured in all usual RAL-colours. We do not recommend gradation on-site.

Storage property

DuroFlex®676 is storable for at least 6 month if it is stored in original closed casks, frost-free and below 30°C

Safety

The product is labelled in accordance with EC directives. It is not a dangerous transport good. The safety data sheet for the product must be observed. It contains all necessary information on the safe handling of the product components, on ecology and on disposal. We recommend wearing protective glasses and gloves when handling the product.

Recommended additives :

DuroFlex®671

Universal useable bonding course, consolidating and dust-binding prime coat. For mineral surfaces, asphalt and for a lot plastics. Only one component, fast drying, can be worked over after 2-3 hours.

Silox® Stellmittel Thix Typ 1

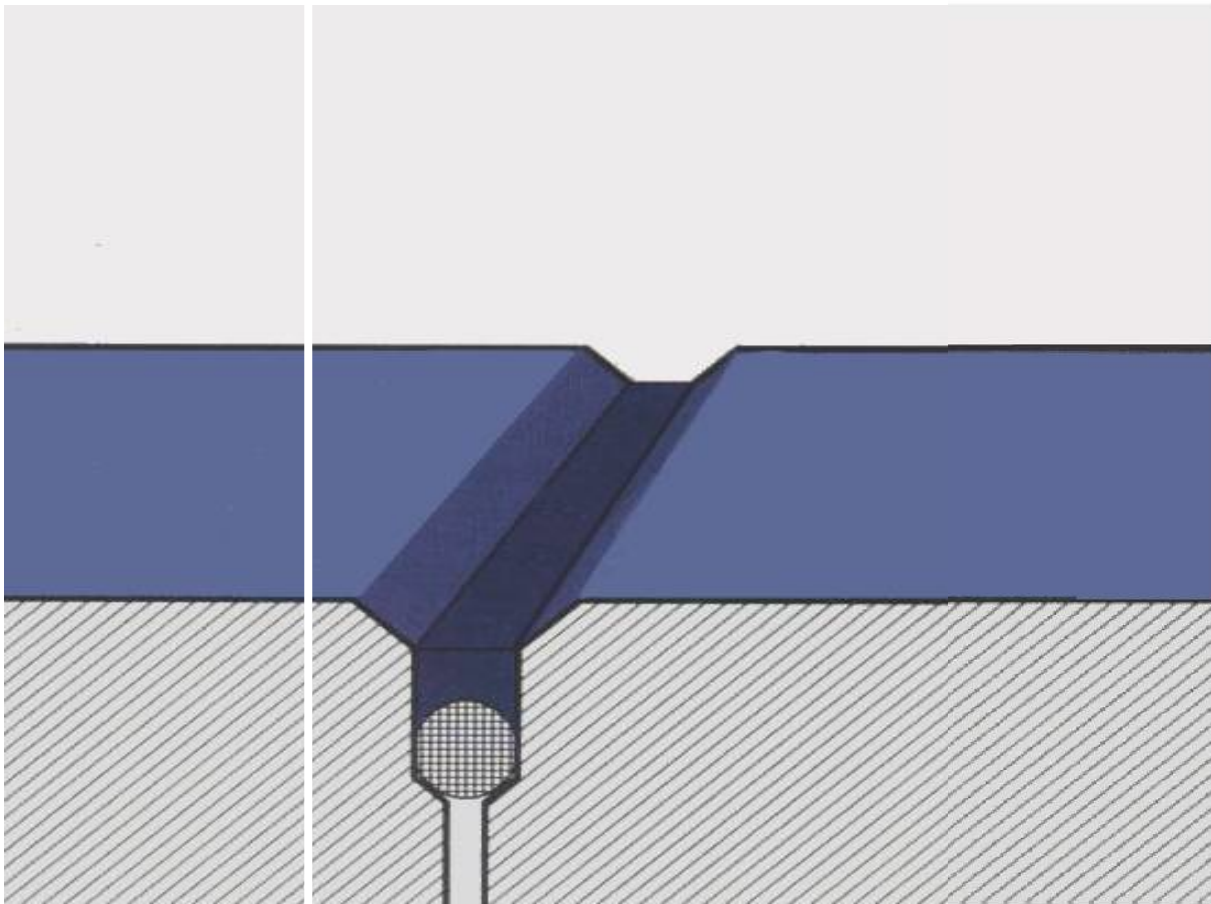
Special surface treated pyrogenic silicate. Easy to interfere. Excellent thicken effect. Recommended additional material for the use of DuroFlex®676 on areas with grade.

HydroSolv®520

A high reactive, inert solvent for cleaning of mixing units, machines and hoses. The product is an environmental friendly safety solvent with very high flashing point. Harmless, non-toxic or harmful to health. No labeling or transport restrictions.

HydroMoll®522

An efficient and well-priced care and conservation agent for pumps and hoses. Combination of solvolytic additives and special diluents. Can remain in the machine, avoids the jamming of valves and gaskets. No labelling necessary.



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-676
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passion to invent 