



DuroFlex®TopCoat 677

Coloured PUR sealant, highly elastic, UV resistant

Solvent free, cold hardening liquid plastic based on Urethan-Elastomer. Used for smooth and jointless coating and flooring. Optional thickness for in and outdoors.

Coatings of DuroFlex®TopCoat 677 are impact resistant, wear resistant and bridge cracks. They are supplied as a 2-component system and consist of master component and hardener.

DuroFlex®TopCoat 677 is used for the lightfast sealing of DuroFlex®670 coatings outdoors or in areas that are to be protected against yellowing.

- Advantages**
- **Smooth and jointless**
 - **Comfortable and fatigue-proof walking**
 - **Flexible and viscolpastic, even by low temperatures**
 - **Abrasion-proof, wear-resistant**
 - **Surface structure could easily adjusted to the type of use**
 - **Easy-care**

Application Typical applications for DuroFlex® coatings and coverings are floor surfaces in multi-storey car parks, in industry, in consumer markets, in technical function rooms, laboratories, warehouses and wherever beautiful, clean, dust-free floor surfaces are required which are also mechanically resistant and robust and wherever cracks in the substrate must be permanently bridged.

DuroFlex® coverings can also be applied on standard mastic asphalt, for other bituminous substrates preliminary tests are recommended.

Processing For processing, the master component and hardener are thoroughly mixed in the specified ratio until a completely homogeneous, streak-free product is obtained. The mixture should then be transferred to another recipient ("repotted") and stirred again. Always mix with stirring machines and at low speed of the stirring tools, do not stir in air! The finished mixture can be used immediately without maturing time.

DuroFlex® products are easy and effortless to process. DuroFlex®TopCoat 677 is rolled up.

Properties

Chemical

-Components	2 („A“+„B“)
-Binding agent	Hybrid polyols and diisocyanates
-MV A : B	A 6,6 kg : B 4 kg
-Density	~ 1,3 kg/l (at 20 °C) , mixed
-Viscosity	Thin fluid
-Odour	Very faint
-Processing time	~ 25 - 30 Min. /at 20°C
-Hardening time	~ 5 h / at 20°C

Mechanical

-Adhesive tensile strength	≥ 3 N/mm ² (Concrete breakage), at -20°C
-Crack bridging, dynamic	≥ from 0 till 1,6 mm without crack building , at -15°C
-Tear resistance	≥ 200 %
-Shore-Hardness (D)	70

Labelling

-VbF	Not applicable
-Working substances	Xn, contains Diisocyanate (only Component B)
-Transport (ADR/RID)	Not applicable
-VOC (CH and EU)	0
-Toxicity Class CH	Not classified

Standards colours are:

Anthracite grey	RAL 7016
Stone grey	RAL 7030
Pebble grey	RAL 7032
White grey	

All other RAL colours can be produced.

Storage Industrial safety Disposal

DuroFlex®TopCoat 677 is not flammable, but combustible. It must be protected from fire or radiant heat. The product should be stored cool and dry and in such a way that they are inaccessible to children and unauthorised third parties. Opened containers must be tightly resealed immediately after removal of the product and used up immediately. The B-component (hardener) contains isocyanates and reacts with water, thereby de-activating is gaseous CO₂. The product become unusable.

Avoid contact with skin, mucous membrane and eyes when handling the products. Suitable protective clothing, goggles and respiratory protection equipment must be used when spraying. Under no circumstances should aerosols (spray mist) and product vapours produced during spraying be inhaled. The relevant health and safety regulations of the trade associations must be observed.

Reacted DuroFlex® products are chemically inert and can be disposed of like normal construction waste. The liquid product residues are hazardous waste. They can be reacted out simply by mixing with the second component and thus rendered harmless. Emptied containers should not be reused.

Safety data sheets are available for the products. They contain detailed information on the safe handling of DuroFlex® components. They should be made available to all those who handle the products.

Recommended Accessories:

DuroFlex®671

Solvent containing special PU primer. 1 component system with quick drying. Universal use as primer for concrete and bitumen.

DuroFlex®670 / 675

Crack-bridging high-performance coating. Also suitable for cast asphalt, tiles and concrete.

DuroFlex®-678 Pro

PUR sealers and TopCoat from a new generation of water-based 2 component systems. Highly abrasion-resistant, thin-bodied, solvent-free. Dries quickly to completely matt films without disturbing reflections. With excellent wear resistance and also absolutely resistant to light and weather.

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
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

passion to invent 