

Planfloor®595

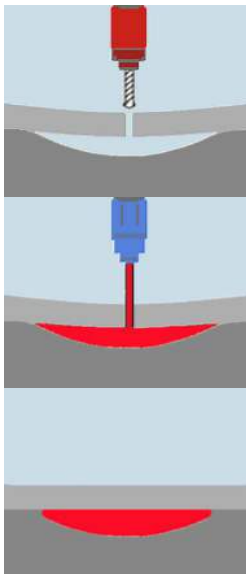
Stabilisation of floor slabs, drive ways, foundations and buildings.

Planfloor® 595 is a fast, reliable and cost efficient stabilisation system for lowered floor slabs, drive ways and foundations. PLANFLOOR® lifts, fills and stabilises.

Planfloor® system is a 2 component semi organic Hybrid resin. Injected with a 2 component pump, both components create a creamy paste which is easily pump able and flows in a controlled manor in a second step the material cures rapidly and forms stone like body.

Planfloor® Hybrid doesn't foam and doesn't react with available humidity. The material doesn't shrink and won't change its features after curing. With suitable injection technique the **uplifting accurate to a millimetre** is possible. Another advantage is the **immediate carrying capacity** after application.

Processing



Planfloor®595 must be applied with a 2 component pump. The exact dosage combined with the adjusted pressure and the drilling pattern guarantees the exact filling of the spaces below the object.

Laser controlled levelling controls the injection and the progress. The permanent monitoring guarantees the exact position of area and building.

The gel time (t-gel) is set to approx. 30 seconds (at 20 °C). After this, the mixed components first react to form of a creamy paste and then, in a further 60-90 seconds, PLANFLOOR® quickly reacts further to form the stone-like end product.

The defined reaction provides a optimum spread of the resin in the injection area. If circumstances demands a faster reaction, the acceleration is possible.

If required extremely fast setting times are possible e.g. curing starts after 20 second and final curing is achieved after 1 minute.

Properties

Processing time	Between 30 Seconds and 3 Minutes
Curing Time	3 - 10 Minutes (depends on the °C)
Reaction product	Hard elastic, shrink free
Bonding strength	≥ 5 MPa
Compressive strength	22 ±2 MPa
Fire behaviour	Not inflammable / Class A2 DIN 4102
Foam factor	0 (non foaming)

Storage Industrial safety Disposal

In case of intended use as injection resin and under careful attention of the guidelines give in the safety data sheet Planfloor®595 is a harmless material. We recommend the use of gloves and goggles as usually when working with injection resins. Avoid skin and eye contact.

Component A is not flammable and does not tend to cause dangerous reactions. However, containers must always be tightly closed and protected from frost.

Component B is flammable, but not combustible. The product is a modified isocyanate and, like all these compounds, reacts very easily with water and the always present humidity. Containers must therefore always be tightly closed.

Planfloor®595 is minimum 12 month storage stable after delivery date. More detailed information are available in the MSDS.

Cured material could be disposed as building rubble. Left over material should be mixed together and cured before disposal. Liquid remainings are special waste and must be disposed according to local regulations.

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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