



## HydroBloc®PU 640

Highly reactive, thixotropic resin for adhesive anchors

HydroBloc®PU 640 Anchor resin is a very fast reacting 2 component polyurethane system. Seconds after mixing, the components react in a two step reaction at first to a thixotropic, stable paste and in the second step to a very hard polyurethane plastic. It has excellent adhesion on different substrates.

The second step of the reaction, the setting time can be aligned to application- and technical requirements.

Applied with 2 component machines, it is also possible to use anchor resin HydroBloc®PU 640 as adhesive anchor "overhead" without the resin being able to flow out of the boreholes. The hardening of the resin is highly exothermic, and the setting resin increases its volume slightly - by about 2 - 4 % - in the process. The expansion pressure developed in this process additionally supports the frictional connection of the installed anchors in the drill holes.

### Processing

The anchor resin HydroBloc®PU 640 can be used with conventional 2 component injection machines for synthetic resins. The product contains no dissolving ingredients or ingredients which attack gaskets or hose systems of the machine. The mixing ratio of both components is 1 : 1 after volume (fix).

Due to the high reactivity of the mixed components, the machines should be equipped with an additional rinsing pump and a corresponding mixing head. As rinsing agent we recommend HydroSolv®520, our environmentally neutral and highly effective safety solvent.

### Properties

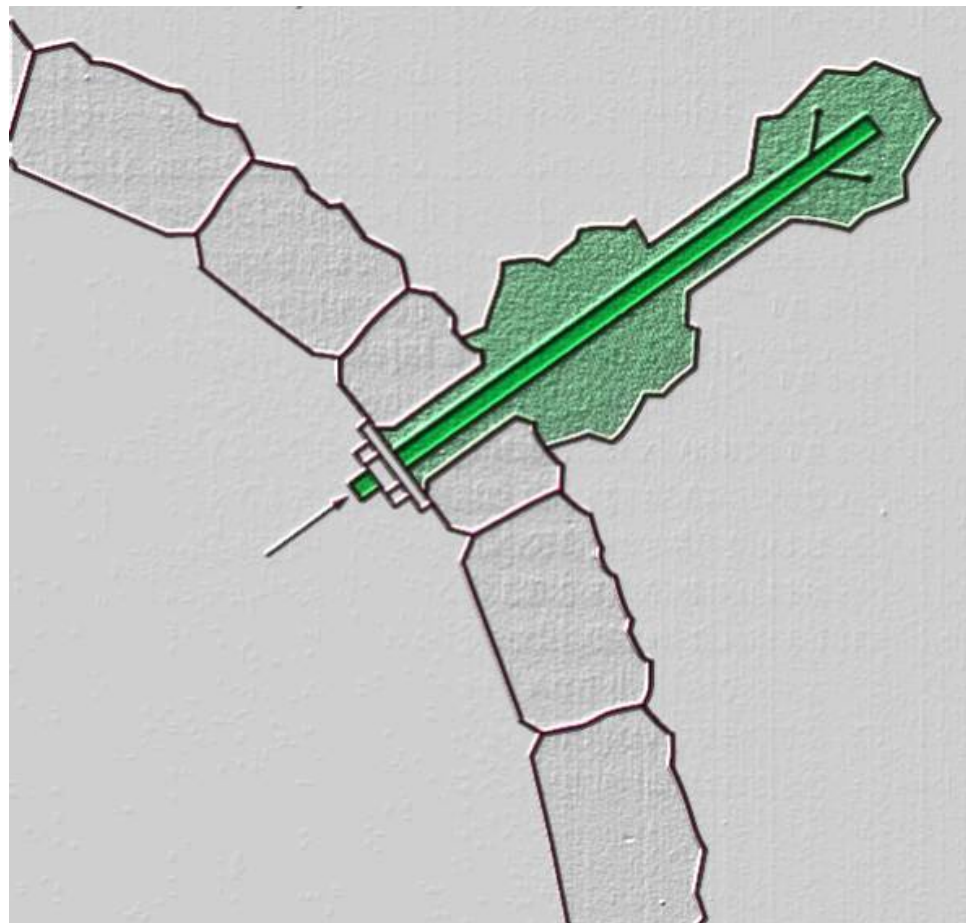
Chemical character	: Polyurethane system, made of special polyol and polymeric diisocyanates (MDI-type)
Aspect	: Brown, transparent liquid
Odour	: Very weak
Viscosity of the product delivered	
Component A	: Approx. 155 - 260 mPas. (at 20°C)
Component B	: Approx. 285 - 515 mPas. (at 20°C)
Density of the product delivered	
Component A	: Approx. 1,05 gr/ml (at 20°C)
Component B	: Approx. 1,15 gr/ml (at 20°C)
Gel time	: Approx. 7 - 10 seconds after mixing
Setting time	: Possible between 10 sec. and 4 - 5 minutes

**Work Safety  
Storage  
Disposal**

HydroBloc®PU 640 is a harmless product when used as an injection agent according to the instructions. Nevertheless, it is recommended to wear protective clothing and goggles during processing and to observe the regulations of the professional associations for the processing of injection agents.

The product must be stored in a cool, dry place and in such a way that it is inaccessible to children and unauthorised third parties. It must not be stored together with food and is not suitable for human or animal consumption. The product is combustible, but not flammable. HydroBloc®PU 640 can be stored for at least 12 months after delivery date. Further and detailed information on the safe handling of this product can be found in the safety data sheet for HydroBloc®PU 640.

The reacted product can be disposed of like building rubble. Product residues should therefore be made harmless by mixing the components. Liquid product residues and containers with product residues are hazardous waste. They should be disposed of in accordance with the local regulations applicable to such products.



**HydroBloc®PU 640 - The perfect anchor resin: thixotropic, fast setting reaction, high consistency. Bore anchor for injection, conventional anchor technique with steel or glass fibre reinforced anchors. Also for all applications where low viscous resins with fast setting time and high consistency is needed.**

## Recommended Additives

### HydroCat®054

An activator (accelerator) specially adapted to the highly reactive HydroBloc®PU 640 qualities. Additionally activates the setting reaction. Additions of approx. 1 % shorten the gel time of HydroBloc®PU 640 by approx. 50 %.

### HydroSolv®520

Highly reactive, inert rinsing solvent for cleaning of machine and hose lines. It is environmentally friendly with a very high flash point. Harmless, non-toxic or harmful, no labelling and no transport restrictions.

### HydroMoll® 522

Efficient and low priced care- and preservative agent. Combination of solving additives, harmless safety solvents and special diluents. Can stay in machine, avoids jamming of valves and gaskets. No side reactions with PUR resins. There is no labelling required.

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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passion to invent 