

## HydroBloc®-Injekt 583

Injektion resin, hydrophil, water miscible and swellable

**A unique usable injection resin with a bunch of advantages. Low viscosity, miscible with water and after the reaction swellable in contact with water - *unique* - with active corrosion protector for the reinforcement.**

**Injekt 583 =**  
protects reinforcement  
with active  
rust prophylaxis

HydroBloc Injekt 583 was developed after a ARCAN unique methode. This product is hydrophilic and completely dillutable in water. HydroBloc Injekt 583 contains a highly reactive corrosion protector. The resin passivates the reinforcement which maybe free in cracks and joints. The reinforcement will be long term protected. Corrosion damages because of contact between steel and water in combination with oxygen will be avoided.

HydroBloc 583 could be activated - with HydroCat - and used as a water stop (reaction time below 3 minutes) or it could be used in cold temperatures e. g. minus degrees. In this case the accelaraters will be mixed inside the components before mixing A nd Ab component.

many  
advantages

- **HydroBloc-Injekt 583 iis neutral to environment.**  
Both components are dilutable in water. Equipment and Injection machines could be easily cleaned with water!
- **HydroBloc-Injekt 583 is the ideal injection resin for reinjectable hoses.**  
The simple cleaning with water allows to reinject the hose several times. 583 Injekt is no gel and therefore it will not shrink inside the building structure!
- **HydroBloc-Injekt 583 protects of corrosion.**  
The product doesn´t contain any substance which attacks other building materials.
- **HydroBloc-Injekt 583 is certificated after the KTW rule (drinking water)**
- **HydroBloc - Injekt 583 is resistant**  
**Based on the special structure** the Injekt 583 is resistant against chemical and biological Influences which makes it especially suitable for waste water plants and biological gas plants



**HydroBloc-Injekt 583:**  
Simple application  
with common  
machines

\*Geprüft und bestätigt durch MFPA Leipzig und ALGE,Gelsenkirchen

**HydroBloc-Injekt 583:**  
**Unique Injection resin**  
**with active corrosion**  
**protector**



**Aus einem Untersuchungsbericht der MFGA-Leipzig:** The dark parts of the steel are protected by the contact with Injekt 583. Storage under water, without traces of rust.

**Handling** HydroBloc-Injekt 583 is a classical 2 component System. The two components will be mixed by volume ratio 1 : 1, this makes it easy to use even small amounts.

Both components will be added into a clean bin and with a drilling machine with applicated mixer properly mixed. It is important to mix both components until the colour of the material is homogenious.

HydroBloc-njekt 583 could be applicated with all common one and two component pumps. All parts with direct contact with the amterial should be made of staines steel. Avoid contact steel, copper and brass.

**Certificated Quality!**

**With HydroBloc Injekt 583 injected reinjec-table hose**

Test object der MFGA Leipzig. With changeable joint size



**Waterproof - 30 m water columnDicht - with swellability - with changeable joint sizes!**

Application with one or two component pumps with slow or quick reaction

Injekt 583 could be applicated with all injection machines which allows the mixing ratio 1 : 1. The reaction time is 50 - 60 minutes by 20C°. If necessary it is possible to accelerate the material down to 3 minutes.

The viscosity is very low and the material penetrates excellent in fine structures and cracks which will be filled completely and durable.

With addition acceleration the material could be used iin low temperatures down to - 10 C°

For cleaning of tools and machines water with some household dish washing material is enough.

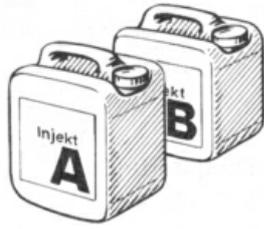


**Important in praxis**

Excellent penetration and excellent running properties even on long ways

Because of the good penetration of Injekt 583 it was possible to reach a leakage 2 meters away from the packer which was located in the working joint.

**Product information**



Delivery form	: 2-Componenten ("A" + "B")
Charakteristic	: Hybridresin
-Komponente A	: Monomere Vinylester
-Komponente B	: Reaktives Polymerblend
Mixing ratio	: 1 : 1 nach Volumen
Density ( Injektionsmischung aus A+B)	: ca. 1,08 gr/ml
Viscosity (Injektionsmischung aus A+B)	: 85 - 100 cStk. (mPa.S)
Swellable in water	: Ca 70 % Volumen increase
Reaction time (tGel)	: ca. 50- 60 Minuten/20C°

**Kennzeichnung**

Als Arbeitsstoff	: "Xi"; Reizend (Beide Komponenten)
Transport (ADR/RID)	: Entfällt (keine Beschränkungen)
VOC - Einstufung	: 0 (Entfällt)
Giftklasse (Schweiz)	: 4
ADR / RID	: Entfällt (keine Beschränkung)

**Storage** In original closed cans the storage time is minimum 12 month in case the material was stored cold, drx and protected from sunlight. Quality and Reactivity will not be influened by time

The B Component need to be protected from frost!  
Please do not store beside food and keep away from children.



Reacted Injekt 583 could be thrown away in normal house waste

Our technical information describes the present state of our knowledge of this product and does not absolve the end user from his/ her responsibility to establish the suitability of the product for the anticipated application. Information on the use of the product is provided with the application instructions. Information on the safe use of Hydro Bloc Polyblend 540 is found in the safety data sheet.

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