

# HYDRO BLOC Inject 583

## INJEKTION RESIN, HYDROPHIL, WATER MISCIBLE AND SWELLABLE

### Product Description

HYDRO BLOC Inject 583 is a unique usable injection resin with a bunch of advantages. Low viscosity, miscible with water and after the reaction swell able in contact with water - *unique* - with active corrosion protector for the reinforcement.

HydroBloc Injekt 583 was developed after a LEYCO unique method. This product is hydrophilic and completely dilatable 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.

### Uses

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 accelerators will be mixed inside the components before mixing A and B component

### Advantages

**HydroBloc-Injekt 583 is 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 reinjection hoses.**

The simple cleaning with water allows to reinjection the hose several times. 583 Inject 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 - Inject 583 is resistant based on the special structure**

The Inject 583 is resistant against chemical and biological influences which makes it especially suitable for waste water plants and biological gas plants

### Technical Data

#### Delivery form

2-Components ("A" + "B")

#### Characteristics

Hybrid resin

- Component A: Monomer vinyl ester
- Component B: Reactive polymer blend

#### Mixing ratio

1 : 1 by volume

#### Density (grouting mixture from A+B)

ca. 1,08 g/ml

## Product Data Sheet

Product No:

### Viscosity (grouting mixture from A+B)

85 - 100 cStk. (mPa.S)

### Reaction time (tGel)

ca. 50- 60 min./20 C°

### Storage/Shelf life

In original closed cans the storage time is minimum 12 month in case the material was stored cold, dry and protected from sunlight. Quality and Reactivity will not be influenced by time. The B Component need to be protected from frost!

Please do not store beside food and keep away from children.

Reacted Inject 583 could be thrown away in normal house waste

## Application

### Method of application

HydroBloc-Inject 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 mixer paddle properly mixed. It is important to mix both components until the colour of the material is homogeneous.

HydroBloc-Inject 583 could be applied with all common one and two component pumps. All parts with direct contact with the material should be made of stainless steel. Avoid contact steel, copper and brass.

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

Inject 583 could be applied with all injection machines which allows the mixing ratio 1 : 1. The reaction time is 50 - 60 minutes by 20 C°. 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 in low temperatures down to -10 C°

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

### Legal notes

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