

## HydroFlex™ 621 Hydroaktive highly leastic 1 component resin

HydroBloc-620nV is a really low viscosity PUR resin with low reactivity. This 1 component product reacts directly with water or with the moisture coming from the environment. HydroBloc 621 expands into a fine cell structured foam which is highly elastic and shape stabile. The closed cell structure, which allows insulation shows its high quality. The expansion pressure at the time of hardening is pressing the resin in the fine cracks and pores, supporting "actively" the sealing effect. This is called the hydroactive potential of the resin.

A typical application are sealing injections into building structures with high movement potential or as flexibility additive into HydroBloc 620 nV. It could be mixed in any ratio.

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HydroBloc-620nV is a basic resin in delivery form and should be activated (accelerated) for almost all usages where a quick reaction time and a high expansion rate is necessary.

### Processing

The dosage is related to the required reaction feature. We recommend dosages between 1 - 5% related on the amount of basic resin. The accelerator amount influences the reaction time and the expansion rate. Due to this activation possibilities it is easy to trim the injection resin to all construction requirements.

### Important:

Due to the activator the product reaches a very high sensibility against contact with water in all forms and is reacting all ready with the moisture in the air. All ready activated product is not any longer suitable to deposit and should be used immediately, as soon as possible.

There exist no special requirement for the construction material of the injection pumps.

Because of the high reactivity of the activated resin a thorough cleaning and flushing is recommended meanwhile working breaks and for longer breaks between two jobs the equipment should be filled with HydroMoll 522 - the care and conservation material - to avoid safely the gluing of valves and gaskets.

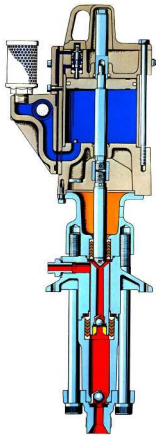
Alcohol and water are inappropriate solve and cleaning materials, they react spontaneous with the isocyanate groups of the product.

We recommend our security solvent HydroSolv 520 for flushing and equipment cleaning such as hoses, pumps and mixing equipment.

We don't recommend other solvents - such as universal thinners or paint thinners - because some ingredients could damage or react with the foam resin. This leads to damages of the equipment.



Properties



Delivery form	1 basic component
Ingredients	Isocyanat-Präpolymer (Polyurethan)
Mixing ratio	as needed 1 - 5% accelerator
Density	App. 1,12 g/ml
Viscosity	Ca. 650 +/- 200 mPa.S
Starting time	app. 35 s after water contact with 4% accelerator
Rising time	app. 60 - 80 s (by 20°C)
Setting time	app. 120 ss (by 20°C)
Labelling	Xi (irritant)
GGVS	No transport restriction

Work Safety

If used according to regulations - as injection resin - the HydroFlex 621 is mostly harmless. We recommend the use of the usual security devices such as protective clothes and goggles. Follow the recommendations of the government safety organisations for handling and processing of injection resins. Skin polluted already reacted foam could be removed mechanical from skin surfaces only.

In case of eye contact with the basic resin or the injection mixture rinse immediately with water minimum 15 minutes and contact immediately a doctor. HydroFlex-621 doesn't contain any ingredients which are harmful to the environment.

Storage Disposal

HydroFlex 621 reacts without activator in contact with water. Just humidity traces influence the storage stability. Open cans must be closed immediately. Stored in a cool and dry place, in unopened original cans, the self life of this product is minimum 12 months.

HydroFlex 621 is sensible with frost and grows stiff (wax like) if stored too cold. Through careful heating e.g. in water bath (max. 50°C) the material becomes liquid without quality loss.

The material is non-inflammable but flammable. Take care about this property. Don't store together with food products and keep away from children and from unauthorised persons.

Reacted material is physiological harmless and disposable as normal waste. Liquid product left over could be mixed together. Liquid left over and empty cans with liquid attachments are special waste and should be handled after the local regulations for such materials.

## Accessories and Additives

### HydroCat 513

Accelerator; with medium activity for shorter setting times, between 620NV and water  
Added into component A, amount 1 - 5%

### HydroCat 514

Accelerator; with high activity for shorter setting times, between 620NV and water  
Added into component A, amount 1 - 5%

### HydroSolv 520

Highly efficient flushing material. Used for equipment and hose cleaning.  
The material is an environmental friendly security solvent with high flame point. Harmless, non toxic or harmful to health, without labelling or transport restriction.



### HydroMoll- 522

Efficient and low-priced care and conservation material for pumps and hoses. Combination made of special weakeners and additives. Will be filled into the complete system and left until next use. Avoids active the gluing of valves and gaskets. No labelling required.

Unsere technischen Informationen beschreiben den heutigen Stand unseres Wissens über dieses Produkt. Sie sollen nur über die Möglichkeiten seiner Anwendung informieren und können den Anwender nicht von seiner Verpflichtung auf sorgfältige eigene Prüfung des Produktes für die vorgesehenen Anwendungen entbinden. Informationen zur Verarbeitung des Produktes finden Sie in der Verarbeitungsanleitung; Informationen zum sicheren Umgang mit HydroBloc 620 im aktuellen Sicherheitsdatenblatt.

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