

HydroBloc-Integral

Injection Resins with only one resin component



HydroBloc Integral is the brand name for a new range of injection resins for the waterproofing of buildings - with significant technical and economical advantages for the user.

The Integral qualities allow the product to be supplied as one component and ready for use. The product reacts over an integral hardening system, upon contact with the construction material and hardens faster than most known multi-component resins; also at lower temperatures. The resin remains liquid in the injection machine and one therefore does not have to consider a potlife.

Use of HydroBloc Integral eliminates mixing errors, residues of hardened material in machines and blocked hoses; problems associated with neglected working times when using multi-component systems. The cost of expensive solvents is saved, together with the cost of disposal. The application is much easier and more secure.

Typical applications for integral resins include injection for waterproofing of cracks, porous areas, construction joints, injection hoses and all the classical applications where multi-component products were necessary until now.

Delivery Programm

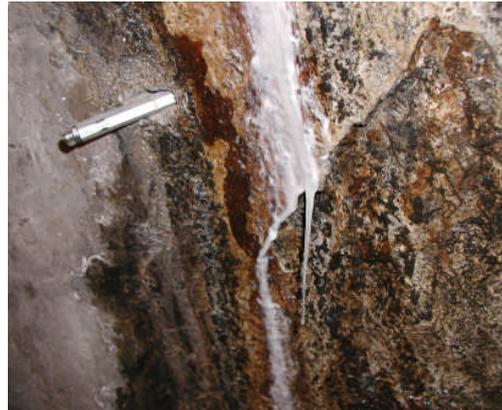
HydroBloc-575 Integral This is a further development of our long-proven 575 quality. It is a highly elastic polyurethane resin with low viscosity. In common with all integral resins, it hardens thoroughly throughout and has excellent adhesion to concrete. It does not produce foam on a moist substrate. It is formulated, ready for use. It can be used anywhere for crack injection and also with injection hoses.

When hardened, it swells on contact with water. It immediately adjusts its volume profile in cracks and joints - the *Self-Healing Effect of our swella*ble resins.

HydroBloc-600 Integral This is a highly elastic polyurethane resin with low viscosity and solvent - free. In common with all integral resins, it has a fast curing time and excellent adhesion to concrete. It produces no foam on a moist substrate. It is formulated in such a way that it is ready for use. It can be used for all crack injection and injection resin applications.

HydroBloc-601 Integral This is a hard polyurethane resin with low viscosity and solvent - free. In common with all integral resins, it has a fast curing time and excellent adhesion to concrete. It produces no foam on a moist substrate. It is formulated in such a way that it is ready for use. It can be used for all crack injection and injection resin applications.

HydroBloc-620nv Integral It is a highly reactive, tough hard and slightly foaming polyurethane resin with low viscosity and formulated ready for use. Through the typical *Hydro-Active Effect* the resin expands on curing to a creamy fine-celled foam, which percolates in to the finest cracks and pores (*Self-Injection Effect*). The product remains active for approximately ten minutes before curing. The product is used for waterproofing seriously damp cracks and construction joints and porous areas of concrete. It is not recommended for injection hoses.



**Injection with
HydroBloc Integral 575.**

Technical Information Application Instructions

The integral resins are miscible and compatible in any ratio. Such a mixture is useful only if the properties of the product should be adjusted. It is, for example, possible to reduce the hydroactivity of the 620. By mixing with the foaming HydroBloc 600, depending on the quantity of 600, it is possible to adjust the foaming properties at will.

The integral resins harden by an in-built hardening system with traces of water. The water present in the environment, either as residual water in building materials or as air humidity, is sufficient to initiate the reaction. Attention must however be paid to such reactivity with water during application. Containers that have been opened must immediately be sealed tightly. Machines must be absolutely dry. Do not therefore use machines that have been used for water or water-based products.

We recommend that you cover the liquid in the hoppers of the injection machine with a couple of mm of our protection material Hydromoll 522, in order to reduce skinning or foam production. The product prevents contact of the top surface of the resin with water. HydroMoll is also compatible with the resin and can be mixed in small quantities with the resin for further working.

HydroMoll 522 is also an ideal protection material to protect machines during long breaks in working, if required over months or even years and to reduce deterioration of valves and hose lines. Therefore, it is recommended to fill machines and hoses with fresh HydroMoll 522, after cleaning with HydroSolv 520.

Delivery Form Storage Safety at Work

As standard, all integral resins are filled in white metal cans (Contents 1,5 kg. 3,2 kg and 6,5 kg).

The resins can be stored for 6 months. The HydroBloc integral resins are not fire hazard, but as an organic liquid, they are of course inflammable. Care must therefore be taken in storage. The product must be kept away from children and unauthorised third parties. Temperatures over 30°C must be avoided. Low temperatures will increase the viscosity and make the application of the product more difficult.

In common with all polyurethanes, the HydroBloc integral resins contain isocyanate compounds. By authorised correct use, there is no particular danger. One must comply with the safety protection specifications of the professional governing body for the use of injection resins and the usual hygiene requirements. We recommend that safety glasses and protection gloves should be worn while using the resins and that exposed skin should be coated with skin protection cream.



Ideal for small repair work :

The one-component resins HydroBloc INTEGRAL
Ready for application in cartridges!

Integral =

- only one component
- no mixing
- no gel time
- no mistakes



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-Si 709 im aktuellen Sicherheitsdatenblatt.

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