

## Technical Datasheet

### Intectin Plus - Flexible Sealing Injection Resin

#### Product Properties:

- Low-viscosity, polyurethane-based elastomer resin
- Long application time
- Accelerated reaction in contact with water, limited increase in volume
- Flexible sealing
- Fulfills UBA – guideline for repair systems in contact with drinking water

#### Areas of Application:

- Flexible sealing and filling of cracks, joints and voids in building construction, housing and civil engineering, etc. under dry, water-bearing and high-pressure water-bearing conditions
- Filling of injection pipes
- Sealing of potable water structures
- Subsequent sealing by horizontal barrier and, when necessary, vertical barrier against rising moisture in masonry
- REACH-assessed exposure scenarios: long term water-contact (crack), periodical inhalation, application
- DIN EN 1504-5 classification: U (D1) W (2) (1/2/3/4) (6/35)

#### Application:

##### Preparation

Before injection the structure's cracks and voids, respectively the leakage, have to be inspected according to technical standards and regulations, and an injection proposal is to be prepared.

##### Mixing

Intectin Plus consists of two components, component A (base) and component B (hardener). They have to be mixed according to the advised mixing ratio and must be thoroughly mixed with a slowly rotating mechanical mixer.

After mixing the material should be filled into clean container and briefly mixed again (re-potting). The re-potting is fulfilled when the resin is filled into the storage container of an injection pump, and there shortly remixed.

The pot life depends on the prepared quantity and the ambient temperatures.

##### Acceleration of reactivity

The reaction time of the resin can be accelerated via Intectin Accelerator maximum up to 10%.

##### Injection

Intectin Plus can be applied with hand pump IHPRESS or electrical injection pump.

If highly pressurised water is present, it is indicated to pre inject Intectin Blitz resin, to prevent the polyurethane resin Intectin Plus from being washed out while hardening. Please refer to the technical data sheet "Intectin Blitz".

For the injection screw packer are recommended.

Work must be stopped if temperature of the structure drops below +6°C. The temperature of  $\geq +6^\circ\text{C}$  must be observed during the entire time of the strength development.

Extensive advice on the application can be found in the Application Information of the General construction supervision Test Certificates Intec Premium injection hose system.

## Machine Cleaning

Within the pot life all equipment may be cleaned with Intectin Special Cleaner. Partially and completely cured material can only be removed mechanically.

## Technical Data for Intectin Plus:

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.w. p.b.v.	100 : 42 3 : 1	component A : component B component A : component B
Density	kg/dm <sup>3</sup>	1.05	DIN 53 479
Viscosity	mPa*s	100	DIN EN ISO 3219
Max. expansion	%	100	DIN 53 455
Expansion ratio with water	---	1.3	DIN EN 14406
Shore- A-hardness		50	ISO 868
Application time	minutes	100	DIN EN 1504-5
Application temperature	°C	+ 6 bis + 35 + 6 bis + 30	air and structure temperature material temperature

\*All technical values relate to 20°C and 50% relative humidity.

## Product Characteristics for Intectin Plus:

Colour	light-brown
Cleaning agent	Intectin Special Cleaner Water or water-based cleaning agents must not be used under any circumstances.
Delivery	Box à 6 x 1 l pack
Storage	Can be stored in original sealed packages by temperature between +5°C and +25°C in dry conditions for at least 1 year. The same requirements are valid for transport.
Diposal	Packs must be emptied completely.

## Safety Advice:

Please take notice of the safety information and advice given on the packaging labels and safety information sheets. GISCODE: PU40

This Installation Guideline is a condensed description of factors having a direct effect on the performance of the Intec injection hose system and is based on the present state of the art. It may be necessary to alter these recommendations, as more information becomes available. Correct use is the responsibility of the user, if in doubt please consult your local supplier.