



# IR PUR 250

Flexible, moisture-reactive 1K PU injection resin, D-I (P)

Availability		
Quantity per pallet	495	126
Packaging unit	1 kg	5,3 kg
Type of container	Tin canister	Tin canister
Container code	01	05
Art. no.		
6870	■	■

## Application rate

- To be determined on a case-by-case basis
- Dependent on the moisture level in the structure, crack width and component thickness
- Approx. 0.1 kg/l void
- Approx. 0.3-0.5 kg/running metre
- Volume increase approx. 25x

## Range of use



- Crack injection in concrete according to DIN EN 1504-5
- Classification: U(D1) W(3) (2/3/4\*) (8/30) \*Only for water-bearing cracks under gravity!
- Moisture level: DP, WT, WF
- Building waterproofing against pressing water
- Sealing of damp and water-bearing cracks
- Caution! Moisture/water must be present

## Property profile

- Reacts to moisture
- High chemical resistance
- High flank adhesion
- Very high elasticity

## Characteristic data of the product

### ■ On delivery

Density (20°C)	1.1 g/cm <sup>3</sup>
Viscosity (23 °C)	approx. 250 mPa s
Foam bulk density	65 kg/m <sup>3</sup>

### ■ Once fully cured

Tensile strength	0.1 N/mm <sup>2</sup>
Extension	12%

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.



Possible system products

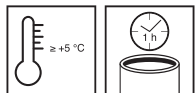
- **Thinner V 101 (0978)**
- **Epoxy MT 100 (0936)**
- **Add TX (0942)**
- **WP DS Level (0426)**
- **Remmers injection packers**

Preparation

- **Substrate requirements**  
The flanks of the crack must be dimensionally stable and free from loose parts, sintered layers, oils, grease and other separating substances.  
The flanks of the crack must be at least damp.  
Pre-wet dry crack flanks.
- **Substrate preparation**  
Plug the path of the crack if necessary.  
Use a suitable packer.

Directions

For professional users only!



- **Conditions for use**  
Temperature of the material, air and substrate: min. 5 °C
  - **Working time (+20 °C)**  
Approx. 60 minutes  
Reaction time in conjunction with water: approx. 20 seconds
- Using suitable injection technology, inject the material from bottom to top.  
Remove packer, seal boreholes if necessary.

Tips on use

Conduct an analysis of the structural condition prior to injection.  
Adjust the injection pressure according to the properties of the building component.  
Conduct any subsequent injection within the working time.  
When injecting into vertical or overhead cracks, tamp the run of the crack.  
Remove the skin that forms as a result of reaction with humidity and do not mix in.  
When using in large cavities, select a suitable injection quantity based on the component properties on account of the significant increase in the volume of the material.  
As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Notes

Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C). Slight deviations from these values may arise if the product is worked with on site.  
The actual amount of material needed depends on the size of the void. Proceed based on the results of the building condition analysis. Remember that surplus material may be needed depending on the application method.  
Do not allow condensation to form in the injection device.  
Once the work is finished, thoroughly empty and clean the injection device.  
The current technical regulations must be observed.

Tools / Cleaning

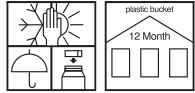
Injection device, hand lever press, hammer drill

More detailed information can be found in the Remmers Tool Programme.  
Clean tools, equipment and splashed material immediately while fresh with V 101 Thinner.  
Take suitable protective and waste disposal measures when cleaning.



**Storage / Shelf life**

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.



**Safety data / Regulations**

Further information concerning safety during transport, storage and handling as well as on disposal and ecology can be found in the latest Safety Data Sheet.

**Disposal**

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

**CE marking**



0761

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GBIII 092\_2

EN 1504-5:2004

6870

Concrete injection product

U (D1) W (3) (2/3/4) (8/30)

Adhesion capacity:	approx. 0.6 N/mm <sup>2</sup>
Elongation capacity:	> 10 %
Water tightness:	D1
Glass transition temperature:	< - 90 °C
Injectability into dry medium:	0.3 mm percentage of the crack filled > 90 %
Injectability into non-dry medium:	0.3 mm percentage of the crack filled > 90 %
Durability:	no failure by compressive testing; lost deformation work < 20 %
Corrosion behaviour:	deemed to have no corrosive effect

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.