



IR PUR 2K 150

Highly flexible 2K PU injection resin, D-I (P)

Availability		
Quantity per pallet	300	
Packaging unit	1 kg	7,75 kg
Type of container	Tin canister	Tin canister
Container code	01	08
Art. no.		
6871	■	■

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. 1.1 kg/l void
- Approx. 0.4-0.7 kg/running metre

Range of use



- Crack injection in concrete according to DIN EN 1504-5
- Classification: U(D1) W(2) (1/2/3/4*) (5/30)
- Moisture level: DY, DP, WT, WF* - *Water-bearing cracks must be pre-injected with IR PUR 2K rapid!
- Tested according to ZTV-ING (RISS), (BASt List)
- Tested according to DIN V 18028
- Grouting with injection hoses
- Horizontal impervious layers and waterproofing in masonry
- Sealing of damp and water-bearing cracks

Property profile

- High chemical resistance
- Total solid (Similar to the testing method of Deutsche Bauchemie e.V.)
- Low viscosity
- High flank adhesion
- Very high elasticity

Characteristic data of the product

■ On delivery

	Component A	Component B	Mixture
Density (20 °C)	0.98 g/cm ³	1.1 g/cm ³	
Viscosity (12 °C)			240 mPa s
Viscosity (23 °C)			150 mPa s

■ Once fully cured



Tear resistance	0.2 N/mm ²
Elongation at break	40%
Impermeability	> 2 bar

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

Certificates

- [KTW test certificate](#)
- [KTW test report](#)

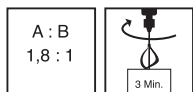
Possible system products

- [IH-Set 30 \(6874\)](#)
- [IR PUR 2K rapid \(6876\)](#)
- [Thinner V 101 \(0978\)](#)
- [Epoxy MT 100 \(0936\)](#)
- [Add TX \(0942\)](#)
- [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.
- **Substrate preparation**
Plug the path of the crack if necessary.
Use a suitable packer.

Production of the mixture

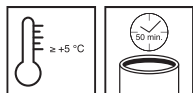


- **Combi-container**
Add the entire quantity of the hardener (component B) to the base compound (component A).
Mix thoroughly with a slow-speed electric mixer (approx. 300 - 400 rpm).
Mix for at least 3 minutes.
Insufficient mixing is indicated by streaks forming.
Pour the mixture into a separate container and mix again thoroughly.

Mixing ratio (A : B)	1.8 : 1 parts by weight
-----------------------------	-------------------------

Directions

For professional users only!



- **Conditions for use**
Temperature of the material, air and substrate: min. 5 °C
 - **Working time (+20 °C)**
approx. 50 minutes
- 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.
Remove the skin that forms as a result of reaction with humidity and do not mix in.
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.

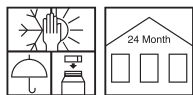
Tools / Cleaning

Injection device, hand lever press, suitable mixing apparatus, 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 24 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

Remmers GmbH

Bernhard-Remmers-Str. 13, D – 49624 Lönningen

15

GBIII 087_2

EN 1504-5:2004

6871

Concrete injection product

U (D1) W (2) (1/2/3) (5/30)

Adhesion capacity:	approx. 0.6 N/mm ²
Elongation capacity:	> 10 %
Water tightness:	D1
Glass transition temperature:	< - 40 °C
Durability:	Cohesive breakdown in concrete
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.