



# IR Epoxy 360

Rigid 2K epoxy injection resin, F-I (P)/F-V (P)

Availability		
Quantity per pallet	300	
<b>Packaging unit</b>	<b>1 kg</b>	<b>7 kg</b>
Type of container	Tin canister	Tin canister
Container code	01	07
<b>Art. no.</b>		
6872	■	■

## Application rate

- To be determined on a case-by-case basis, dependent on the 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(F1) W(2) (1) (8/30) (1)
- Moisture level: DY
- Tested according to ZTV-ING (RISS), (BAST List)
- Tested according to DIN V 18028
- Frictional bonding and joining of components
- Strengthening open-pored concrete structures
- Joining hollow components

## Property profile

- Freeze/thaw resistant
- High chemical resistance
- Total solid (Similar to the testing method of Deutsche Bauchemie e.V.)
- Fire behaviour B2 pursuant to DIN 4102-4
- Low viscosity
- Volume and form-locking
- High flank adhesion
- High adhesive pull strength and inherent strength

## Characteristic data of the product

### ■ On delivery

	Component A	Component B	Mixture
Density (20 °C)	1.1 g/cm <sup>3</sup>	0.94 g/cm <sup>3</sup>	
Viscosity (12 °C)			1100 mPa s
Viscosity (23 °C)			360 mPa s

### ■ Once fully cured



Tensile strength	20 N/mm <sup>2</sup> dry
Adhesive pull strength	4.3 N/mm <sup>2</sup>
Flexural tensile strength	53 N/mm <sup>2</sup>
Compressive strength	45 N/mm <sup>2</sup>
Elongation at break	28%
Shrinkage	< 3%

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

**Certificates**

- [Mark of conformity](#)
- [KTW test certificate](#)
- [KTW test report](#)

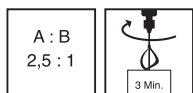
**Possible system products**

- [Thinner V 101 \(0978\)](#)
- [Epoxy BH 100 \(0905\)](#)
- [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**

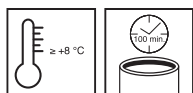


- **Combi-container**  
Add the entire quantity of the hardener (component B) to the base compound (component A).  
Mix thoroughly with a slow-speed electric mixer (approx. 300 - 400 rpm).  
Mix for at least 3 minutes.  
Insufficient mixing is indicated by streaks forming.  
Pour the mixture into a separate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

**Mixing ratio (A : B)** 2.5 : 1 parts by weight

**Directions**

For professional users only!



- **Conditions for use**  
Temperature of the material, air and substrate: min. 8 °C
- **Working time (+20 °C)**  
approx. 100 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.



As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Significant increase in viscosity at low temperatures.

**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.

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 equipment, 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.

**Personal protective equipment**

This information can be obtained from the current Safety Data Sheets and/or the relevant professional associations.

**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 088\_2

EN 1504-5:2004

6872

Concrete injection product

U (F1) W (2) (1) (8/30) (1)

Adhesion by tensile bond strength:	> 2 N/mm <sup>2</sup>
Volumetric shrinkage:	< 3 %
Glass transition temperature:	> 40 °C
Injectability into dry medium:	Percentage of the crack filled > 95 %
	Adhesion > 2 N/mm <sup>2</sup> for crack width 0.2 mm
Durability:	Cohesive failure in the substrate
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.