



Range of application

- Crack repair in concrete according to DIN EN 1504-5
- Sealing injection in concrete and masonry
- Waterproofing of structures, also in case of pressing water
- Sealing of masonry
- Sealing of anchor heads in special civil engineering

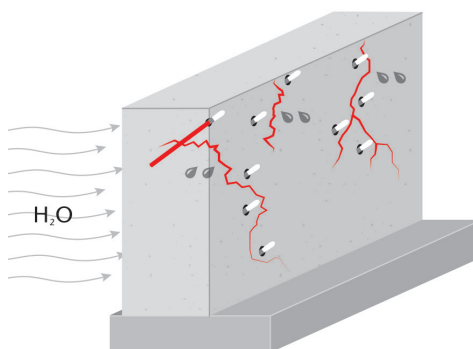
Properties

- Polyurethan-based combi injection resin
- Permanently sealing
- Moisture-reactive 1C PU resin, applicable without mixing and without catalyst
- Water contact required for foam reaction and curing
- High elasticity and adhesion
- Adjustable reaction time (accelerator **WEBAC® B15**)

Test certificates

- Declaration of performance in accordance with the Construction Products Regulation (system 2+)
- Certificate of conformity of the factory production control
- Test certificate according to KTW-BWGL recommendations: sealants, lubricants
- Environmental Product Declaration (EPD)
- List of chemical resistance

Example



*Crack repair in concrete
under hydrostatic pressure*

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PU Combi Injection Resins **WEBAC® 155** **CE**

Technical data	Values	
Bulk density foam with 5% water	≈ 60 kg/m ³	
Density, 20 °C (DIN ISO 2811)	≈ 1.1 g/cm ³	
Application temperature Building structure and material	> 5 °C	
Viscosity, 23 °C (DIN ISO 3219)	≈ 255 mPa·s	
Foam reaction Start • End • Expansion	with 5% water with 10% water	20 °C ≈ 25 s • ≈ 130 s • ≈ 25-times ≈ 20 s • ≈ 130 s • ≈ 22-times
Elongation (DIN EN 12618-1)	> 10%	
Tensile strength (DIN EN 12618-1)	≈ 0.6 MPa (N/mm ²)	
CE classification (DIN EN 1504-5)	U(D1) W(3) (2/3/4) (8/30)	
GISCODE	PU40	
EPD	EPD-FEI-20220021-IBG1-EN	
Exposure scenarios according to REACH	Assessment of industry standard application	

The specified data are values determined under laboratory conditions and are subject to a certain fluctuation. Deviations are possible in practice depending on the respective object situation.

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Preparatory work

Structural analysis:

- Preparation of a building condition analysis to determine the actual condition of the structure/component
 - Structure condition
 - Hydrodynamic and hydrostatic conditions
 - Water load
 - Salt load
- Determine the necessary key figures for soil injections (soil expertise/porosity etc.)

This results in:

- Planning of suitable remediation measures in accordance with the applicable rules and standards
- Selection of suitable material
- Selection of packers/lances
- Arrangement of the boreholes and placement of the packers/lances
- Carrying out a test injection if necessary

Application instruction

- Injection by 1C pump
- Material is moisture-sensitive; contact with water (e.g. rain) must be avoided
- If the material is not used immediately, air humidity may cause a skin on the surface; this skin must be removed prior to further use (do not mix into the material!)
- Make sure the filter in the hopper is clean
- Applicable for at least 1 h under normal building conditions
- Only use pure WEBAC material without any residues of cleaning agents or other impurity
- The reaction speed is influenced by the temperature of the material and the building structure – higher temperatures accelerate, lower temperatures slow down the reaction

Mixing

- Material is ready to use, transfer to the hopper

Application

- Adapt the injection pressure to the nature and condition of the building structure
- The injection is carried out in intervals, preferably in the rear third of the structural element's cross section. Conclusions can be drawn from the reaction of the material (surface emergence etc.) to decide whether to continue or to stop the injection
- A secondary sealing with WEBAC PU Resin is **NOT** necessary

Final work and cleaning

- Once the material has cured remove the packers
- Clean and close the drill holes with suitable non-shrinking mortar
- Clean the component surface of patched cracks, grind flat if necessary
- Clean the pump with **WEBAC® Cleaner A**
- Use **WEBAC® Cleaner B** for dissolving cured material but never for flushing pumps
- Observe the technical data sheet of the injection pump and cleaners used
- For detailed information refer to the operating manual of the injection pump

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Product data

	Unit
Delivery form	10.6 kg 5.3 kg
Storage	• Between 5 °C and 30 °C • Protected from moisture • In original, sealed containers
Compatibility	• Compatible with masonry mortar, concrete, steel, foil, cable sheathing, metal and WEBAC injection materials
Resistance	• Resistant to salts harmful to the building, alkalis and acids in common concentrations in building structures

Occupational safety

The safety regulations of the industrial trade associations and the WEBAC Safety Data Sheets are to be observed at all times when working with this product. Safety data sheets according to Regulation (EC) No. 1907/2006 (REACH) must be accessible to all persons responsible for occupational safety, health protection and the handling of materials. For further information, please see the separate information sheet "Occupational Safety" in our product catalog or www.webac.de.

Waste disposal

In Germany, empty containers can be disposed of via "Interzero Circular Solutions Germany GmbH" observing the respective terms and conditions. It is not possible to dispose of containers at production facilities or delivery warehouses. For more detailed information, please see the separate information sheet "Disposal Notes" in our product catalog or www.webac.de and the safety data sheets.

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Technical Information