

PU Combi Injection Resins

WEBAC® 155 CE



- ▶ WEBAC® 155 is a permanent sealing 1C PU injection resin used without catalyst. It fulfills the requirements according to EN 1504-5 for flexible bonding also in case of flowing water.

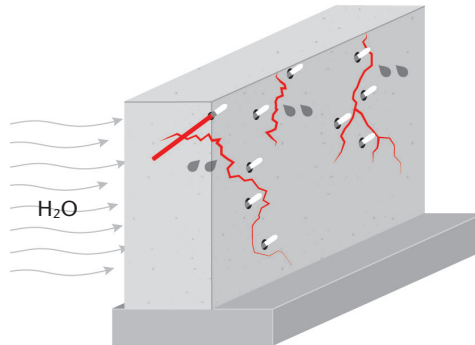
Range of application

- Crack repair in concrete according to EN 1504-5 (CE declaration of performance 2+)
- 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

- Moisture-reactive 1C PU combi foam resin, permanent sealing effect due to a waterproof resin layer
- Water contact required for foam reaction and curing
- High elasticity and adhesion
- Adjustable reaction time (accelerator **WEBAC® B15**)

Example



Crack repair in concrete under hydrostatic pressure

WEBAC®

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▶ Technical Information

All the data indicated in this technical data sheet and any related information provided by our employees are of an advisory nature representing our current state of knowledge and in no way binding. As the exact chemical, technical and physical conditions of the actual application are beyond WEBAC's control, this information does not preclude examination of the products and/or procedures for the intended application and surface by the user. WEBAC is thus unable to guarantee results. The user is fully responsible for the observation of existing regulations and conditions when using the products.
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Technical data	Values
Density , 20 °C / 68 °F (ISO 2811)	≈ 1.1 g/cm ³
Application temperature Building structure and material	> 5 °C / 41 °F
Viscosity , 23 °C / 73 °F (ISO 3219)	≈ 255 mPa·s
Foam reaction with 5% water Start • End • Expansion	20 °C / 68 °F ≈ 25 s • ≈ 130 s • ≈ 25-times
Foam reaction with 10% water Start • End • Expansion	20 °C / 68 °F ≈ 20 s • ≈ 130 s • ≈ 22-times
Elongation (EN 12618-1)	> 10%
Tensile strength (EN 12618-1)	≈ 0.6 N/mm ²
CE classification (EN 1504-5)	U(D1) W(3) (2/3/4) (8/30)
GISCODE	PU40
EPD	EPD-DBC-20130047-IBG1-D
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

- ▶ See **WEBAC Brochures Sealing of Masonry and Crack Repair**



Sealing of Masonry



Crack Repair



Mixing

Application by 1C pump

- Material is ready to use
- Transfer to the hopper



Application instruction

- 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
- The mixture must be used completely within 1 hour
- 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



Application

- The injection pressure depends on 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
- The patching can be removed as soon as the injection process is completed and the filling material is cured
- 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 used

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Product data	
Application	<ul style="list-style-type: none"> Injection by 1C pump
Packing	<p>Unit</p> 10.6 kg 5.3 kg
Storage	<ul style="list-style-type: none"> Between 5 °C / 41 °F and 30 °C / 86 °F Protect from moisture In original, sealed containers
Compatibility/Resistance	<ul style="list-style-type: none"> Compatible with masonry mortar, concrete, steel, foil, cable sheathing, metal and WEBAC injection materials Resistant to harmful salts, alkalis and acids in common concentrations in building structures

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Test certificates

- Declaration of performance according to Construction Products Regulation
- Test certificate* according to German Federal Environmental Agency: Repair system for containers

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-grouts.com.

* for drinking water

Waste disposal

In Germany, empty containers can be disposed of via "Interseroh Dienstleistungs 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 "Information on the disposal and return of WEBAC packaging" in our product catalog or www.webac-grouts.com and the safety data sheets.

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