Epoxy Putties and Adhesives

WEBAC® 4515 CE

Range of application

- Concrete protection according to DIN EN 13813
- Patching of cracks
- Installation of surface packers
- Emergency putty for sealing damaged patching
- Sewer repair
- Patching of cracks for injections according to DIN EN 1504-5

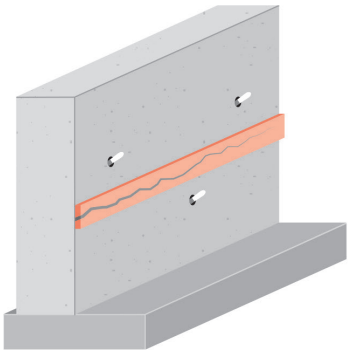
Properties

- Epoxy-based putty/adhesive
- Cures also at low temperatures down to –5 °C
- Highly pressure resistant
- Fast curing
- Total solid*

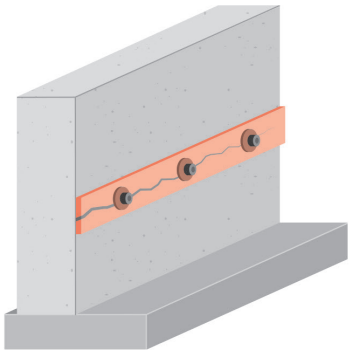
Test certificates

- Declaration of performance in accordance with the Construction Products Regulation (system 4)
- Environmental Product Declaration (EPD)
- List of chemical resistance

Examples



Patching of cracks



Installation of surface packers

*according to test method by Deutsche Bauchemie e.V. (German Industry Association for Manufacturers of Construction Chemicals)

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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			
Mixing ratio		1 : 1 parts by weight		
Density, 20 °C (DIN ISO 2811)	**Comp. A** **Comp. B**	≈ 1.5 g/cm³ ≈ 1.8 g/cm³		
Bulk density		≈ 1.6 g/cm³		
Pot life (WEBAC test specification based on DIN ISO 9514)		**30 °C** ≈ 6 min	**20 °C** ≈ 10 min	**12 °C** ≈ 20 min
Application temperature Building structure and material		> 1 °C		
Curing time, 21 °C		**5 mm layer thickness** ≈ 100 min	**8 mm layer thickness** ≈ 45 min	
Adhesive strength on concrete 24 h, 21 °C (DIN EN 1542)	**dry** **damp**	≈ 3.5 MPa (N/mm²) ≈ 2.4 MPa (N/mm²)		
Compressive strength 7 d, 21 °C (DIN ISO 604)		≈ 90 MPa (N/mm²)		
Bending tensile strength 7 d, 21 °C (DIN ISO 178)		≈ 50 MPa (N/mm²)		
Shore hardness D 7 d, 21 °C (DIN EN 868)		≈ 87/84		
CE classification (DIN EN 13813)		SR - B2.0		
Fire behavior (DIN 4102-4, 2.3.2)		minimum B2		
GISCODE		RE30		
EPD		EPD-DBC-20220174-IBF1-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:

- Inspection of the substrate
  - Moisture condition (dry, damp or wet)
  - Surface strength (> 1.5 MPa (N/mm²))
  - Condition of surface (soiled, oily)

This results in:

- Selection of suitable material

Ensure that the temperature limit is maintained before application. Remove all dirt, loose and separative substances from the surfaces. Roughen the surfaces before working on tiles, ceramics or stoneware to improve adhesion.

Application instruction

- Application by trowel
- The mixture must be used completely within pot life
- Only use pure WEBAC material without any residues of cleaning agents or other impurity
- The pot life/curing time are influenced by the amount of material/layer thickness and the temperature of the material/building structure – higher temperatures accelerate, lower temperatures slow down the reaction

Mixing

- Empty component B in the container of component A (make sure the containers are completely empty) and mix homogenously
- Transfer mixed material to another clean mixing vessel and stir briefly

Application

Patching

- For patching apply a layer ≈ 10 cm wide and at least 3 mm thick to the entire crack area (also consider subsidiary cracks)
- Depending on the crack course, leave ≈ 3 – 5 cm long sections at the highest points of the crack unpatched to allow the air in the crack to vent

Final work and cleaning

- After the material is cured, knock off patching if necessary and remove packers (e.g. by hot air gun)
- Clean the equipment with **WEBAC® Cleaner A**
- Use **WEBAC® Cleaner B** for dissolving cured material
- Observe the technical data sheets of the cleaners used

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Product data

Material consumption	**Patching**	≈ 0.5 kg/m	
Delivery form		**Comp. A** 1 kg	**Comp. B** 1 kg
Storage	• Between 8 °C and 25 °C • Protected from moisture • In original, sealed containers		
Compatibility	• Compatible with masonry mortar, concrete, steel, foil, cable sheathing, metal and WEBAC injection materials		
Resistance	• Specially resistant to structurally damaging salts, acids and alkalis		

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.com.

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.com and the safety data sheets.

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