

Epoxy Putties and Adhesives

WEBAC® 4501

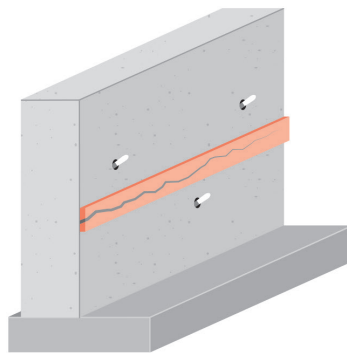
Range of application

- Patching of cracks
- Patching of brickwork for remedial damp proof course (dpc) against capillary rising moisture
- Closing of drill holes
- Filling cracks and drill holes

Properties

- Mineral fixing cement
- Quick-setting
- High early-strength
- Low shrinkage
- Low chromate

Example



Patching of cracks

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. © WEBAC-Chemie GmbH. Version 12/2025

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Technical data	Values
Mixing ratio	≈ 20 ml (damp) to ≈ 50 ml (pourable) water : 100 g cement
Pot life (WEBAC test specification based on DIN ISO 9514)	≈ 10 min
Application temperature	≥ 5 °C
Compressive strength 20 °C (DIN EN 196-1)	after 1 h ≈ 7.6 MPa (N/mm ²) after 3 h ≈ 9.3 MPa (N/mm ²) after 28 d ≈ 48 MPa (N/mm ²)

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 ($> 1.5 \text{ MPa (N/mm}^2\text{)}$)
 - 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
- Pre-wet highly absorbent surfaces
- 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

- Depending on the desired consistency, add 20 ml (damp) to 50 ml (pourable) of clear, cold water per 100 g of fixing cement and mix thoroughly until a lump-free mortar is formed

Application

Patching

- For patching apply a layer $\approx 10 \text{ cm}$ wide and at least 3 mm thick to the entire crack area (also consider subsidiary cracks)
- Depending on the crack course, leave $\approx 3 - 5 \text{ cm}$ 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
- Clean the equipment with water

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Product data	
Delivery form	Unit 15 kg
Storage	<ul style="list-style-type: none"> Between 5 °C and 30 °C Protected from moisture In original, sealed 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.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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