PU Casting Foam Resins

WEBAC® 2260/B60

Range of application

- Filling and sealing of cavities/voids and solidification in masonry structures
- Sealing of pipe ducts
- Filling of hollow bricks (e.g. poroton)
- Repair of floating structures (pontoons)

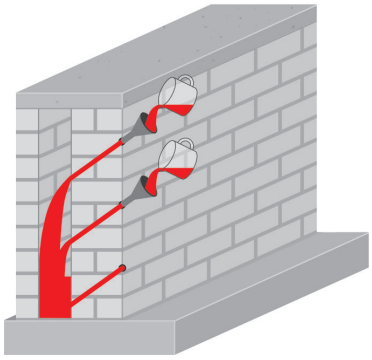
Properties

- Polyurethan-based casting foam resin
- Pressure resistant rigid foam, also cures without water
- Thermal insulation effect
- Chlorine- and CFC-free
- Excellent adhesion
- Slow expansion
- Adjustable reaction time (accelerator **WEBAC® B60**)

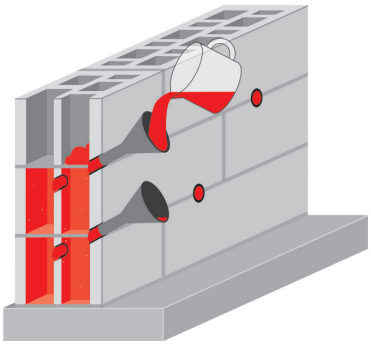
Test certificates

- Environmental Product Declaration (EPD)

Examples



Filling of cavities/voids in masonry



Filling of hollow bricks

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Technical Information

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Technical data

Technical data		Values		
Mixing ratio		1 : 1 parts by volume		
Bulk density foam	**WEBAC® 2260** **+ 2% B60** **+ 4% B60**	≈ 180 kg/m³ ≈ 151 kg/m³ ≈ 43 kg/m³		
Density, 20 °C (DIN ISO 2811)	**Comp. A** **Comp. B**	≈ 1.0 g/cm³ ≈ 1.2 g/cm³		
Application temperature Building structure and material		> 5 °C		
Viscosity of mixture (WEBAC test specification based on DIN ISO 3219)		**30 °C** ≈ 500 mPa·s	**23 °C** ≈ 600 mPa·s	**12 °C** ≈ 1,100 mPa·s
Foam reaction Start · End · Expansion (quantity to be added referring to **component A**)		**30 °C**		
	without B60	≈ 5 min · ≈ 30 min · ≈ 4-times		
	2% B60	≈ 2 min · ≈ 20 min · ≈ 8-times		
	4% B60	≈ 1 min 45 s · ≈ 13 min · ≈ 10-times		
	5% B60	≈ 1 min 35 s · ≈ 12 min · ≈ 12-times		
	6% B60	≈ 1 min 20 s · ≈ 11 min 30 s · ≈ 14-times		
		23 °C		
	without B60	≈ 5 min · ≈ 50 min · ≈ 4-times		
	2% B60	≈ 2 min 30 s · ≈ 20 min · ≈ 8-times		
	4% B60	≈ 2 min · ≈ 16 min · ≈ 12-times		
	5% B60	≈ 1 min 30 s · ≈ 14 min · ≈ 14-times		
		12 °C		
	without B60	≈ 15 min · ≈ 2 h · ≈ 4-times		
	2% B60	≈ 8 min · ≈ 1.5 h · ≈ 8-times		
	4% B60	≈ 4 min · ≈ 75 min · ≈ 10-times		
	5% B60	≈ 3 min 30 s · ≈ 55 min · ≈ 12-times		
	6% B60	≈ 3 min · ≈ 60 min · ≈ 15-times		
Compressive strength 7 d, 23 °C (DIN 53421)	**without B60** **2% B60** **4% B60**	≈ 1.8 MPa (N/mm²) ≈ 0.7 MPa (N/mm²) ≈ 0.4 MPa (N/mm²)		
Thermal insulation value λ_R · Layer thickness	**without B60** **2% B60** **4% B60**	≈ 0.041 W/mK · ≈ 24 mm ≈ 0.043 W/mK · ≈ 55 mm ≈ 0.042 W/mK · ≈ 57 mm		
GISCODE		PU40		
EPD		EPD-DBC-20220109-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
  - Moisture condition
  - Voids/leaks

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

- Casting or injection with 2C pump
- Mixed material is moisture-sensitive; contact with water (e.g. rain) must be avoided
- Make sure the filter in the hopper is clean
- The mixture must be used completely within reaction time
- 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

- Stir component A briefly before use

Casting

- Empty component A and B at the given mixing ratio into a mixing vessel (make sure that the containers are completely empty) and mix homogenously

Application by 2C pump

- Fill component A and B into the respective hoppers
- The components are mixed homogenously in the mixing head

WEBAC® B60

- Added quantity referring to component A according to table
- Mix homogenously into component A immediately before use

Application

- Fill the mixed material into the pouring hole or using a 2C pump via packers/lances
- In case of higher filling levels the material should be applied layer by layer

Final work and cleaning

- Once the material has cured remove the packers/lances if necessary
- Clean the drill holes and close with suitable non-shrinking mortar
- Clean the pump with **WEBAC® Cleaner A**
- Use **WEBAC® Cleaner B** for dissolving cured material but never for flushing pumps
- Observe the technical data sheets 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

	WEBAC® 2260		WEBAC® B60
Delivery form	**Comp. A**	**Comp. B**	**Unit**
	9.25 kg	11.25 kg	0.5 kg
	5 kg	6 kg	0.25 kg
Storage	• Between 5 °C and 30 °C • Protected from moisture • In original, sealed containers		
Compatibility	• Compatible with concrete, steel, foil, cable sheathing 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.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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