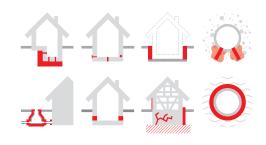
WEBAC_® 240 C€* **⑤**



▶ WEBAC_® 240 is a polyacrylate gel for sealing building structures and joints, specially suitable for curtain injections. Due to a multifunctional modular system various applications are possible.

Range of application

WEBAC_® 240

- Curtain injection
- · Stabilization and sealing of foundation soil
- Damp proof course (dpc)
- · Backfilling of joints
- · Construction sealing of buildings
- · Micro tunneling

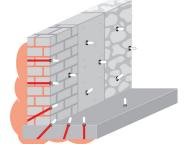
WEBAC₉ 240 + Bseal I

- Repair of damaged web and foil sealings
 - With ground contact
 - In tunnels, sewers, shafts, bridges and basements
- Sealing of annular gaps and voids in tubbing constructions
- Backfilling of joints
- · Sealing joints with permanent contact to water

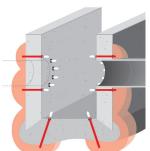
Examples



Sealing and backfilling of joints



Curtain injection



Curtain injection at pipe ducts

*CE Declaration of Performance 1504-5 for swellable filling with WEBAC₀ 240 + Bseal I

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 03/2020-2



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WEBAC_® 240 C €* **⑤**

Properties

WEBAC_® 240

- · Solid yet elastic, absorbs dynamic and mechanical stress
- · Adjustable reaction
- Swells upon contact with water
- Economical material consumption
- · Chloride-free
- Environmentally friendly

WEBAC₈ 240 + Bseal I C€*

- · Polymer-reinforced
- Excellent adhesion to dry, damp and wet substrates as well as membranes and foils
- · High dimensional stability
- Limited swelling
- Neglected volume loss during the drying process
- Salt reduced



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*at 2 % B-concentration

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Technical data	WEBAC。240					
Mixing ratio		1.7	: B			
Density, 20 °C / 68 °F (ISO 2811)	Comp. A1 Comp. A2 Comp. B	1 : 1 parts by volume ≈ 1.2 g/cm³ ≈ 0.95 g/cm³ ≈ 1.0 g/cm³				
Application temperature Building structure and material		> 1 °C / 34 °F				
Viscosity of mixture		30 °C / 86 °F ≈ 4 mPa·s	12 °C / 54 °F ≈ 10 mPa·s			
Reaction time at 2% B-concentration flow limit · solid		30 °C / 86 °F 20 °C / 68 °F 10 °C / 50 ≈ 20 s · ≈ 40 s ≈ 75 s ≈ 100 s · ≈				
Tear strength • elongation at break 24 h (in foil), 21 °C / 70 °F (ISO 527)		≈ 0.06 N/mm² • ≈ 220%				
Watertightness (EN 14068)	> 2 bar					
Fire behavior test (DIN 4102)	B2 according to DIN 4102-1. 6.2					
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.a

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*CE Declaration of Performance 1504-5 for swellable filling with WEBAC₀ 240 + Bseal I

WEBAC_® 240 C€* **⑤**

Technical data		WEBAC _® 240						
Reaction times	flow limit	B-concentration 0.5% 1.0% 1.5% 2.0%* 2.5% 5.0%	≈ 250 s ≈ 165 s ≈ 135 s ≈ 120 s	50 °F ≈ 340 s ≈ 185 s ≈ 125 s ≈ 100 s ≈ 90 s		68 °F ≈ 120 s ≈ 70 s ≈ 48 s ≈ 40 s ≈ 33 s	77 °F ≈ 78 s ≈ 44 s ≈ 35 s ≈ 27 s ≈ 23 s	30 °C 86 °F ≈ 63 s ≈ 34 s ≈ 23 s ≈ 19 s ≈ 16 s ≈ 9 s
	solid	B-concentration 0.5% 1.0% 1.5% 2.0% 2.5% 5.0%	≈ 390 s ≈ 270 s ≈ 220 s ≈ 195 s	50 °F ≈ 540 s ≈ 300 s ≈ 210 s ≈ 180 s ≈ 155 s	59 °F ≈ 330 s ≈ 200 s ≈ 140 s ≈ 120 s ≈ 100 s	68 °F ≈ 195 s ≈ 130 s ≈ 90 s ≈ 75 s ≈ 60 s	:	≈ 70 s ≈ 45 s ≈ 40 s ≈ 35 s

^{*}National Technical Approval according to DIBt



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WEBAC_® 240 **C**€* **3**

Technical data		WEBAC₀ 240 + Bseal I					
Mixing ratio		A1: A2 = 20: 1 parts by weight A: B = 1: 1 parts by volume					
Density, 20 °C / 68 °F		≈ 1 g/cm³					
Viscosity of mixture		23 °C / 73 °F ≈ 35 mPa·s 12 °C / 54 °F ≈ 40 mPa·s					
		B-powder-concentration in Bseal I					
Reaction time (100 ml mixture)	flow limit	5 °C / 41 °F 10 °C / 50 °F 20 °C / 68 °F	2.0% (≙ 0.4 kg) ≈ 125 s ≈ 83 s ≈ 36 s				
	solid	5 °C / 41 °F 10 °C / 50 °F 20 °C / 68 °F	2.0% ≈ 180 : ≈ 110 : ≈ 46 :	3			
Tear strength • elongation at break 24 h (in foil), 21 °C / 70 °F (ISO 527)		≈ 0.2 N/mm² · ≈ 450%					
CE classification (EN	1504-5)	U(S2) W(1) (1/2/3) (5/30)					

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Deviations are possible in practice depending on the respective object situation.



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WEBAC_® 240 C€* **⑤**



Preparatory work

▶ See WEBAC Brochure Curtain Injection



Curtain Injection



Mixing of component A

- The containers of component A are provided according to the required mixing ratio
- Empty the smaller container of component A2 completely into the larger container of component A1
- · Mix both components via stirring while pouring until homogeneous

Mixing of component B

WEBAC_® 240

• Dissolve B-powder-concentrate in clean tap water in a clean plastic bucket similar to the container of component A1 by thoroughly stirring it with a stainless steel stirrer (adapt the filling level of component B to that of component A)

WEBAC_® 240 + Bseal I

- Add the B-powder-concentrate to the container of component Bseal I and stir until it has fully dissolved
- Prepared components A and B are delivered at a mixing ratio of 1:1 from respective containers directly with a 2C pump (stainless steel)
- · The components are mixed homogeneously in the mixing head

! Application instruction

- · Only use stainless steel or wooden stirrer for mixing
- · All prepared components must be used immediately
- 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

Coloring

- · WEBAC Injection Gels can be colored with WEBAC. F200 to monitor the water displacement, the material distribution as well as to identify any gel leakage
- To color the injection gel, mix approx. 1% (referring to **component A**) of the blue color agent WEBAC. F200 into component A
- · The color intensity of the gel will decrease gradually

Due to the high adhesive power of component B of WEBAC. 240 + Bseal I the filter of the suction hose must be regularly checked for material residues and lumps and be cleaned if necessary when applying large quantities. Upon completion of the injection process, the 2C pump must be thoroughly rinsed with plenty of water (at least 20 liters of fresh, clean water per component) to prevent clogging within the pump system and the suction hoses.

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Technical Information

WEBAC_® 240 (€* 🗒



(Application

Application by 2C pump (stainless steel)

- The injection pressure depends on the nature and condition of the structure
- · Inject the injection gel from bottom to top, beginning at the lowest drill hole level
- Continue the injection until injection gel starts leaking from the adjacent packers
- For detailed information, refer to the **WEBAC Brochure Curtain Injection**



Curtain Injection

Final work and cleaning

- · The packers can be removed immediately after gel formation
- Cured gel must be removed from the drill holes/drill hole walls down to about 10 cm deep and the drill holes must be filled
- · Preferrably use pcc mortar for concrete and quick set mortar for masonry
- · Clean the injection pump and the equipment exclusively with water
- Gelled residues must be removed from the equipment mechanically immediately after use
- · Observe the technical data sheet and the manual of the injection pump used

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.webacgrouts.com.



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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*CE Declaration of Performance 1504-5 for swellable filling with WEBAC₀ 240 + Bseal I

Technical Information

WEBAC_® 240 C€* **⑤**

Product data							
Application		 Injection by 2C pump (stainless steel) 					
	Curtain injection	20 – 60 kg/m ² (corresponds ≈ $10-30$ kg gel-concentrate)					
Material consumption (orientation value)	Sealing of building	\approx 20 kg/m ² at 50 cm wall thickness					
	Damp proof course (dpc)	1.5–2 kg/m per 10 cm wall thickness					
Packing	WEBAC _* 240	Comp. A1 21.5 kg	Comp. A2 1.05 kg	Comp. B 1.0 kg 0.4 kg 0.2 kg	Comp. Bseal I 20 kg		
	WEBAC ₈ F200	<mark>Unit</mark> 1 kg					
Storage/Transport		Protect co from frostProtect from	mponent Bse a	3	240		
Compatibility/Resistance		 Resistant to diluted acids and salts damaging the structure Resistant to alternating frost and thaw Reacted gels are insoluble in water and fuels 					

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Test certificates

WEBAC_® 240

- National Technical Approval: Injection gel for curtain injection
- Certificate of Conformity for use as: Curtain injections
- Test certificate* according to KTW recommendations:
 D1 (large-surface sealants)

Technical Information

* for drinking water

WEBAC_® 240 + Bseal I

- Declaration of Performance according to Construction Products Regulation
- Test certificate* according to KTW recommendations: D1/D2 (large-surface sealants/ other sealants and adhesives)