WEBAC_® 270 **C**€



Range of application

- Crack repair in components according to DIN EN 1504-5
- · Sealing of construction joints
- Backfilling of joints
- · Stabilization and sealing of foundation soil
- · Construction sealing of buildings

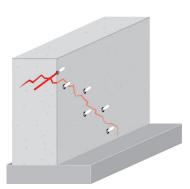
Properties

- Polyacralyte-based injection gel
- · Low viscosity
- · Adjustable reaction time
- · Neglected volume loss during the drying process
- High resistance also in alcaline and salt-loaded areas
- Solid yet elastic, absorbs dynamic and mechanical stress

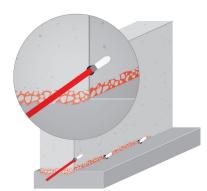
Test certificates

- Declaration of performance in accordance with the Construction Products Regulation (system 2+)*
- Certificate of conformity of the factory production control
- Test for corrosion behavior
- · List of chemical resistance

Examples



Crack injection into concrete



Sealing of construction joints

Technical Information



WEBAC-Chemie GmbH Fahrenberg 22 22885 Barsbüttel Germany Tel. +49 40 67057-0 Fax +49 40 6703227 info@webac.de

www.webac.de

^{*}tested with undiluted component A

WEBAC_® 270 **C**€

Technical data		Values										
Mixing ratio		Comp. A = A1 + A2 10 : 1 parts by weight					Comp. B = water: B-powder concentrate 99.5: 0.5 parts by weight					
					A : B = 1	: 1 par	arts by volume					
Density, 20 °C (DIN ISO 2811)	Comp. A1 Comp. A2 Comp. B			≈ 1.06 g/cm ³ ≈ 0.94 g/cm ³ ≈ 1.0 g/cm ³								
Application tempera Building structure and					> 5 °C							
Viscosity of mixture (WEBAC test specification based on DIN ISO 3219)				5 °C ≈ 5.8 mPa·s		21 °C ≈ 3.5 mPa·s			35 °C ≈ 3.2 mPa·s			
		A2	ml	or g	water	5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 ℃
Reaction time with variable A2 concentration	flow limit	90% 80% 70% 60% 50% 40% 30% 20% 100% 5% 100% 90% 80% 70% 60% 50% 40% 30%	1,968 ml 1,771 ml 1,574 ml 1,378 ml 1,181 ml 984 ml 590 ml 394 ml 197 ml 98 ml 1,771 ml 1,574 ml 1,378 ml 1,181 ml 984 ml 787 ml 590 ml	1,665 g 1,480 g 1,295 g 1,110 g 925 g 740 g 555 g 370 g 185 g 93 g 1,665 g 1,480 g 1,295 g 1,110 g 925 g 740 g 555 g	590 ml≙g 787 ml≙g 984 ml≙g 1,181 ml≙g 1,378 ml≙g 1,574 ml≙g 1,771 ml≙g 1,870 ml≙g 197 ml≙g 394 ml≙g 590 ml≙g 787 ml≙g 984 ml≙g 1,181 ml≙g 1,378 ml≙g	23:15 - - - - - 14:00 18:45 30:50 33:30	11:00 13:15 18:00 21:00 43:20	11:35 12:40 19:10	2:40 3:05 3:15 3:30 3:55 4:15 5:15 6:30 10:50 30:30 - 4:45 5:15 5:30 6:00 6:40 7:00 8:40 10:25	2:20 2:45 2:55 3:10 3:40 4:05 4:50 5:50 6:25 21:50 4:45 5:00 5:20 5:50 6:20 7:50 8:30	3:00 3:25 4:00 4:45 5:40 15:00	1:40 2:00 2:15 2:20 2:25 2:40 3:25 4:35 9:40 15:00 2:50 3:15 3:25 3:35 3:40 3:50 4:25 5:45
		20% 10% 5%	394 ml 197 ml 98 ml	185 g	1,574 ml≙g 1,771 ml≙g 1,870 ml≙g	- - -		- - -		11:25 32:30 -		7:25 16:00 23:25
Watertightness (DIN EN 14068)		7 bar										
CE classification (DIN EN 1504-5)		U(S2) W(1) (1/2/3) (5/35)										
Exposure scenarios according to REACH		Assessment of industry standard application										

WEBAC-Chemie GmbH Fahrenberg 22 22885 Barsbüttel Germany Tel. +49 40 67057-0 Fax +49 40 6703227 info@webac.de

www.webac.de

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

Technical Information

WEBAC_® 270 **C**€

Preparatory work

Structural analysis:

- Preparation of a building condition analysis to determine the actual condition of the structure/component
 - Structure condition
 - · Moisture condition
 - Salt load

This results in:

- Planning of suitable remediation measures in accordance with the applicable rules and standards
- · Selection of suitable material
- · Selection of packers
- Positioning of drill holes and placement of the packers
- · Carrying out a test injection if necessary

Application instruction

- Injection by 2C pump (stainless steel)
- Only use stainless steel (V4A) 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 ≈ 1% (referring to component A) of the blue color agent WEBAC_{*} F200 into component A
- The color intensity of the gel will decrease gradually

Mixing

Mixing of component A

- Empty the smaller container of component A2 completely into the larger container of component A1
- Mix both components via stirring while pouring until homogenous

Mixing of component B

- Dissolve B-powder concentrate in a clean plastic container (canister 20 l) by intensive stirring in clean tap water (the required amount of water is then easily obtained by adjusting the level of component B to the level of component A)
- → Prepared components A and B are delivered at a mixing ratio of 1:1 from respective containers directly with a 2C pump and are mixed homogenously in the mixing head

Application

- Adapt the injection pressure to the nature and condition of the building 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

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 depth and the drill holes must be filled (preferrably use pcc mortar for concrete and quick set mortar for masonry)
- After completion of the injection, the 2C pump must be thoroughly rinsed with water, at least 20 liters of water per piston side (component)
- Gelled residues must be removed from the equipment mechanically immediately after use
- Observe the technical data sheet and the manual of the injection pump

WEBAC-Chemie GmbH Fahrenberg 22 22885 Barsbüttel

WEBAC-Chemie Gmb Fahrenberg 22 22885 Barsbüttel Germany Tel. +49 40 67057-0 Fax +49 40 6703227 info@webac.de

www.webac.de

WEBAC_® 270 **C**€

Produktdaten							
Delinemateum	WEBAC _* 270	comp. A1 18.5 kg	comp. A2 1.85 kg	comp. B 0.1 kg			
Delivery form	WEBAC ₂ F200	<mark>Unit</mark> 1.0 kg					
Storage	 Between 5 °C and 25 °C Protected from moisture and light In original, sealed containers 						
Compatibility	Reacted gels are insoluble in water and fuels						
Resistance		 Resistant to diluted acids and salts damaging the structure Resistant to alternating frost and thaw 					

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.



WEBAC-Chemie GmbH Fahrenberg 22 22885 Barsbüttel Germany Tel. +49 40 67057-0 Fax +49 40 6703227 info@webac.de

www.webac.de

Technical Information