

## Injection Gels

# WEBAC® 250



- ▶ WEBAC® 250 is a slow-reacting polyacrylate gel for sealing in masonry, obstructing the capillaries.

### Range of application

- Damp proof course (dpc) in masonry
- Sealing of surfaces in masonry

### Properties

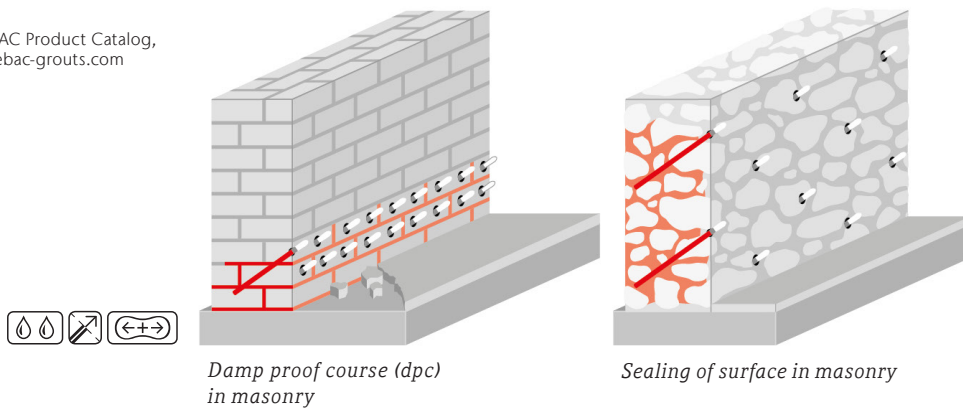
- Swells upon contact with water
- Water-like viscosity
- High elasticity
- Good adhesion to mineral substrates
- High resistance also in alkaline and salt-loaded areas

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### Examples

Meaning of the icons ▶ WEBAC Product Catalog,  
[www.webac.de](http://www.webac.de) or [www.webac-grouts.com](http://www.webac-grouts.com)



Damp proof course (dpc)  
in masonry

Sealing of surface in masonry

## ▶ 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	Comp. A	Comp. B		
	A1 : A2 15 : 1 parts by weight	water : B-powder-concentrate 98.7 : 1.3 parts by weight		
	A : B 1 : 1 parts by volume			
Density, 20 °C / 68°F (ISO 2811)	Comp. A1 Comp. A2 Comp. B	≈ 1.1 g/cm <sup>3</sup> ≈ 1.0 g/cm <sup>3</sup> ≈ 1.0 g/cm <sup>3</sup>		
Application temperature Building structure and material	> 5 °C / 41 °F			
Viscosity of mixture		30 °C / 86 °F ≈ 2 mPa·s	23 °C / 73 °F ≈ 2 mPa·s	12 °C / 54 °F ≈ 10 mPa·s
Reaction time flow limit solid		30 °C / 86 °F ≈ 3 – 5 min ≈ 6 – 8 min	22 °C / 72 °F ≈ 6 – 9 min ≈ 10 – 14 min	12 °C / 54 °F ≈ 7 – 12 min ≈ 12 – 17 min
Tear strength · elongation at break 24 h (in foil), 21 °C / 70 °F (ISO 527)	≈ 0.12 N/mm <sup>2</sup> · ≈ 70%			
Shore hardness A 24 h (in foil), 21 °C / 70 °F (EN 868)	≈ 7/3			
Watertightness (EN 14068)	> 3.5 bar			
Exposure scenarios according to REACH	Assessment of industry standard application			

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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

- ▶ See **WEBAC Brochure Sealing of Masonry**



Sealing of Masonry



### Mixing

#### 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

- Dissolve B-powder-concentrate in clean tap water in a clean plastic bucket by thoroughly stirring it with a stainless steel stirrer (by adapting the filling level of component B to that of component A it is easy to assess the required amount of water)

#### Application by 2C pump (stainless steel)

- 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, wooden or plastic 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



### Application

- 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

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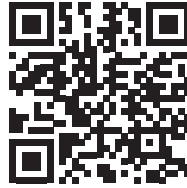


### Final work and cleaning

- 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 with non-shrinking mortar
- 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 of the injection pump and cleaners used
- For detailed information refer to the operating manual of the injection pump used

### Occupational safety/waste disposal

#### ► Downloads on [webac-grouts.com](http://webac-grouts.com)



[webac-grouts.com/  
downloads](http://webac-grouts.com/downloads)

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## Product data

Product data							
Application	Injection by 2C pump (WEBAC. IP 2K-F1)						
Material consumption (orientation value)	<b>Damp proof course (dpc)</b> ≈ 1.0 – 2.5 kg/m per 10 cm wall thickness						
	<b>Surface sealing in masonry</b> ≈ 20 kg/m <sup>2</sup> at 50 cm wall thickness						
Packing	<table border="1"> <thead> <tr> <th>Comp. A1</th> <th>Comp. A2</th> <th>Comp. B</th> </tr> </thead> <tbody> <tr> <td>25 kg</td> <td>1.6 kg</td> <td>0.35 kg</td> </tr> </tbody> </table>	Comp. A1	Comp. A2	Comp. B	25 kg	1.6 kg	0.35 kg
	Comp. A1	Comp. A2	Comp. B				
25 kg	1.6 kg	0.35 kg					
	<b>F200</b> 1 kg						
Storage	<ul style="list-style-type: none"> <li>• Between 5 °C / 41 °F and 25 °C / 77 °F</li> <li>• Protect from moisture and light</li> <li>• In original, sealed containers</li> </ul>						
Compatibility/Resistance	<ul style="list-style-type: none"> <li>• Resistant to diluted acids and salts damaging the structure</li> <li>• Resistant to alternating frost and thaw</li> <li>• Reacted gels are insoluble in water and fuels</li> </ul>						

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