

Silicate Injection Grouts

WEBAC 2100 Concentrate

- ▶ WEBAC 2100 is an extremely low-viscosity silicate injection solution for post-construction damp proof courses (dpc). It is specially designed for higher wall thicknesses.

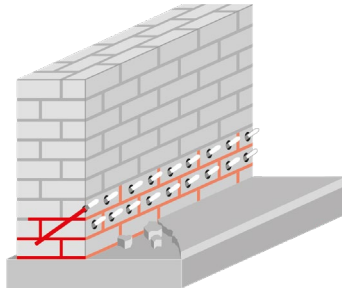
Range of application

- Post-construction damp proof course (dpc) against capillary rising moisture

Properties

- Extremely low viscosity
- Capillary contraction
- Water repellent

Example



Damp proof course in masonry (dpc)

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Technical data	Values
Density, 20 °C/68 °F 20 °C/68 °F (ISO 2811)	≈ 1.4 g/cm ³
Application temperature Building structure and material	> 5 °C/41 °F
Viscosity, 23 °C/73 °F (ISO 3219)	≈ 10 mPa•s (appl. mixture)
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 before masonry injection:

- Masonry condition
- Moisture condition
- Masonry structure
- Salt contamination

This provides following information:

- Practicability of injection
- Choice of drill hole packers
- Positioning of drill holes



Mixing

Application by 1C pump

- The mixing ratio of concentrate to water is 1:3 parts by volume (cloudy if mixed with hard water; water hardness of 1 is recommended)
- Stir briefly before use



Application instruction

- Only use pure WEBAC material without any residues of cleaning agents or other impurities



Application

Damp proof course (dpc)

- The injection pressure depends on the nature and condition of the building structure
- Inject the material from bottom to top, beginning at the lower grid level
- Continue the injection until resin leaks out from the masonry and/or from the adjacent packers or a saturation of the masonry is visible.



Final work and cleaning

- Once the material has cured remove the packers
- Clean and close the drill holes with suitable non-shrinking mortar
- Clean the injection pump and the equipment exclusively with water
- For detailed information refer to the operating manual of the injection pump

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Product data															
Application	Injection by 1C pump														
Material consumption ≈ 1.0 -2.5 kg/m at 10 cm wall thickness, depending on the absorbency	<table> <tr> <th>Wall thickness</th><th>Consumption</th></tr> <tr> <td>24 cm</td><td>≈ 3 – 5 kg</td></tr> <tr> <td>36 cm</td><td>≈ 4 – 8 kg</td></tr> <tr> <td>50 cm</td><td>≈ 7 – 12 kg</td></tr> <tr> <td>80 cm</td><td>≈ 11 – 16 kg</td></tr> <tr> <td>100 cm</td><td>≈ 15 – 20 kg</td></tr> <tr> <td>120 cm</td><td>≈ 18 – 25 kg</td></tr> </table>	Wall thickness	Consumption	24 cm	≈ 3 – 5 kg	36 cm	≈ 4 – 8 kg	50 cm	≈ 7 – 12 kg	80 cm	≈ 11 – 16 kg	100 cm	≈ 15 – 20 kg	120 cm	≈ 18 – 25 kg
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Packing	VE 290 kg 29 kg														
Storage	- Between 5 °C/41 °F and 30 °C/86°F - Protect from moisture - In original, sealed containers														
Resistance	Resistant to common chemical loads in building structures														

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Occupational safety - advanced eye protection recommended

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-grouts.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.

Diese Technische Information soll Sie nach dem heutigen Stand unserer Kenntnisse unverbindlich informieren, hierzu erteilte Auskünfte unserer Mitarbeiter sind ebenfalls unverbindlich. Da uns die exakten chemischen, technischen und physikalischen Bedingungen der konkreten Anwendung nicht bekannt sind, befreien diese Angaben den Anwender nicht von der eigenen Prüfung der Produkte bzw. Verfahren hinsichtlich ihrer Eignung für die beabsichtigte Anwendung und stellen somit keine Zusicherung der Eignung für einen bestimmten Zweck dar. Für die Einhaltung von Vorschriften und Auflagen bei der Anwendung ist der Anwender verantwortlich. 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.