

Surface Sealings

WEBAC® 5611



- ▶ WEBAC® 5611 is a bituminous acrylate dispersion for sealing surfaces of building structures with ground contact. It is specially designed for applications in monument conservation.

Range of application

- Building sealants for exterior wall surfaces, floors and bases against ground water and flood water
- Sealing underneath facade coatings
- Composite sealing in case of pressing water
- Landfill coverings in connection with geotextile
- Plaster sealings, specially in monument conservation
- Building sealants in civil engineering, tunnel and shaft constructions
- Horizontal sealing against surface water
- Bonding layer (without cement) for highly absorptive or non-absorptive substrates
- Interior negative-side waterproofing

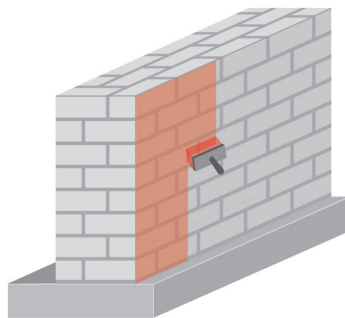
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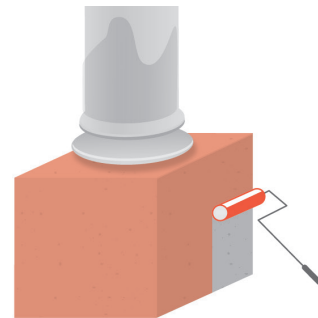
Properties

- Adheres to:
 - Non-absorptive surfaces
 - Dry and damp mineral surfaces
 - Tar-containing or bituminous substrates
- Coatable with various silicone/resin paints
- Good crack bridging properties
- Steam permeable
- Resistant to de-icing salts
- Sprayable

Examples



Building sealants for exterior surfaces



Sealing of bases

▶ 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	1 : 0.8 parts by weight with Portland Cement CEM II B-S 32.5 R (alternative cement types on request)			
Density, 20 °C / 68 °F (ISO 2811)	≈ 1.0 g/cm ³			
Pot life with Portland Cement CEM II B-S 32.5 R	30 °C / 86 °F ≈ 50 min	20 °C / 68 °F ≈ 60 min	8 °C / 46 °F ≈ 160 min	
Application temperature Building structure and material	> 5 °C / 41 °F			
Viscosity without cement	30 °C / 86 °F ≈ 40 mPa·s	23 °C / 73 °F ≈ 50 mPa·s	12 °C / 54 °F ≈ 70 mPa·s	
Curing time 20 °C, 70% relative air moisture	≈ 2–6 h (depending on the substrate's absorbency)			
Elongation at break 7 d, 21 °C / 70 °F (ISO 527)	with Portland Cement CEM II B-S 32,5 R ≈ 60%			
Sealing	up to ≈ 6 bar water pressure (2 operations, at least 1 mm dry layer thickness)			
S _d value	≈ 1.5 m (at 1.3 mm dry layer thickness)			
EPD	EPD-DBC-2013211-D			
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:

- Nature of the substrate
- Structural conditions (temperature and air moisture)
- Water load classes
- Existing surface interruptions due to fitted structures (e.g. pipe ducts)

This provides following information:

- Choice of suitable material
- Pretreatment of the substrate
- Substrates must be free of loose and separative substances
- Pretreat substrate to obtain a closed, smooth surface
- Existing, well-adhering bituminous coatings can be reworked after cleaning



Mixing

- Stir material thoroughly
- Mix homogenously with 1 : 0.8 parts by weight Portland Cement CEM II B-S 32.5 R



Application instruction

- Protect from mechanical stress (e.g. by perimeter insulation)
- Only use pure WEBAC material without any residues of cleaning agents or other impurity



Application

- It is recommended to apply a thin coat of primer (WEBAC® 5611 without cement) before the application of WEBAC® 5611
- Apply the bituminous acrylate dispersion by roller, wide brush or spraying
- Reinforcing fabric can be used to reinforce corners and bridge expansion joints
- Air moisture and light influence the curing speed



Cleaning

- Clean the equipment with water

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Product data	
Application	<ul style="list-style-type: none"> • By roller or wide brush
Material consumption	≈ 1 kg/m ² per mm layer thickness WEBAC® 5611 and 0.8 kg/m ² CEM II B-S 32.5 R
Packing	Unit 24.1 kg 10 kg 5 kg
Storage/Transport	<ul style="list-style-type: none"> • Between 5 °C / 41 °F and 30 °C / 86 °F • Protect from frost • Protect from moisture, heat and light • In original, sealed containers

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Test certificates

- Test certificates on request

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-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.

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