

## Epoxy Coating Systems – Primers

# WEBAC® 4270T CE



- ▶ WEBAC® 4270T is a tack-free primer specially designed for critical mineral substrates and metal surfaces, also suitable at low temperatures.

### Range of application

- Special primer for oily substrates
- Sealing of mineral surfaces
- Adhesive agent:
  - For coatings (according to WHG (Federal Water Act)) on oily substrates
  - Between contaminated concrete and (mineral) re-profiling
  - Existing on new concrete
  - For fast reworking
- Epoxy mortar as negative-side waterproofing for concave moldings
- Resin screed according to EN 13813 (CE-Declaration of Performance/4)
- Priming of metal surfaces

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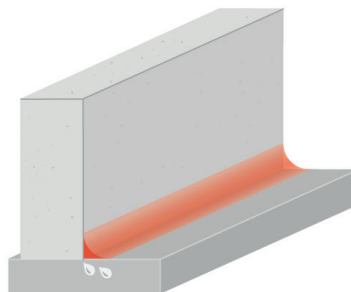
[www.webac.de](http://www.webac.de)

### Properties

- Tack-free curing also at low temperatures
- Compatible with oil/moisture
- Good wetting of the substrate
- Resistant to mechanical stress
- Suitable for pedestrians and rolling traffic
- Total solid\*

### 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)



Mortar for concave moldings



Adhesive agent for oily substrates

\*according to test method by Deutsche Bauchemie e.V. (German Industry Association for Manufacturers of Construction Chemicals)

## ▶ Technical Information

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Technical data	Values			
Mixing ratio	2 : 1 parts by volume			
Density, 20 °C / 68 °F (ISO 2811)	<b>Comp. A</b>	≈ 1.1 g/cm <sup>3</sup>		
	<b>Comp. B</b>	≈ 1.0 g/cm <sup>3</sup>		
Pot life		<b>30 °C / 86 °F</b> ≈ 8 min	<b>20 °C / 68 °F</b> ≈ 20 min	<b>12 °C / 54 °F</b> ≈ 30 min
Application temperature Building structure and material	> 5 °C / 41 °F			
Viscosity of mixture		<b>30 °C / 86 °F</b> ≈ 400 mPa·s	<b>23 °C / 73 °F</b> ≈ 770 mPa·s	<b>12 °C / 54 °F</b> ≈ 1,800 mPa·s
Adhesive strength on concrete 7 d, 21 °C / 70 °F (EN 1542) wet (EN 13578)	<b>dry</b>	≈ 4.0 N/mm <sup>2</sup>		
	<b>oily</b>	≈ 4.1 N/mm <sup>2</sup>		
	<b>wet</b>	≈ 3.6 N/mm <sup>2</sup>		
Compressive strength 7 d, 21 °C / 70 °F (ISO 604)	≈ 90 N/mm <sup>2</sup>			
Bending tensile strength 7 d, 21 °C / 70 °F (ISO 178)	≈ 110 N/mm <sup>2</sup>			
E modulus 7 d, 21 °C / 70 °F (ISO 527)	≈ 2,600 N/mm <sup>2</sup>			
Shore hardness D 7 d, 21 °C / 70 °F (ISO 868)	≈ 85/80			
CE classification (EN 13813)	SR - B2.0 - AR0.5 - IR4			
Fire behavior	B2 according to DIN 4102-4. 2.3.2			
GISCODE	RE1			
EPD	EPD-DBC-20130018-IBE1-DE			
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:

- Inspection of the substrate
  - Moisture condition (dry, damp or wet)
  - Surface strength (> 1.5 N/mm<sup>2</sup>)
  - State of the surface (soiled, oily)
- Observe Dew Point Table (the substrate temperature must be 3 °C / 37 °F above dew point temperature to avoid condensation)

Substrates must be open-pored and free of cement paste layers, loose particles and separative substances such as oil, grease and similar.



### Mixing

- Empty component A and B at the given mixing ratio into a bucket (make sure that the containers are completely empty) and mix homogenously
- Transfer the mixed material to another clean bucket and stir briefly



### Application instruction

- The mixture must be used completely within the specified pot life
- Only use pure WEBAC material without any residues of cleaning agents or other impurity
- The pot life/curing time are influenced by the amount of material/layer thickness and the temperature of the material/building structure – higher temperatures accelerate, lower temperatures slow down the reaction



### Application

#### Primer

- Apply the primer to the substrate by brush, roller or rubber scraper
- Apply the material evenly covering the entire surface in one or several operations (depending on the substrate's absorbency) avoiding puddle formation
- In case of oily substrates, the primer must be worked in thoroughly
- The primer must fill all pores and cavities/voids
- It is not necessary to scatter quartz sand onto the primer if it is coated within 24 hours

#### Scratch- and leveling primer

- Fill the material with stoved quartz sand, mix well and distribute on the surface by trowel, scraper or rubber scraper immediately after mixing
- When working on sloping or vertical surfaces the material can be additionally rendered thixotropic by adding a set-up agent (**WEBAC. ST200/300**)
- If necessary, vent the installation and leveling finish with a porcupine roller and scatter with stoved quartz sand



### Cleaning

- Clean the equipment with **WEBAC. Cleaner A**
- Never use **WEBAC. Cleaner A** for diluting products; avoid mixing with the primer
- Use **WEBAC. Cleaner B** for dissolving cured material
- Observe the technical data sheets of the cleaners used

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### Product data

<b>Application</b>	By brush, roller, rubber scraper or trowel	
<b>Material consumption</b> depending on the substrate's absorbency	<b>Primer</b>	≈ 300 g/m <sup>2</sup>
	<b>Scratch primer</b> mixing ratio 1 : 3 parts by weight, per mm layer thickness	≈ 300 g/m <sup>2</sup> WEBAC® 4270T with 900 g/m <sup>2</sup> quartz sand (grain size 0.3–0.7 mm)
	<b>Epoxy mortar</b> mixing ratio 1 : 10 parts by weight, per mm layer thickness	≈ 300 g/m <sup>2</sup> WEBAC® 4270T with 3.0 kg/m <sup>2</sup> quartz sand (grain size 0.1–1.2 mm, mixture of 0.1–0.3/0.3–0.7 and 0.7–1.2 mm (per 33 parts by weight))
<b>Packing</b>	<b>Comp. A</b> 11 kg	<b>Comp. B</b> 5 kg
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Between 5 °C / 41 °F and 30 °C / 86 °F</li> <li>• Protect from moisture</li> <li>• In original, sealed containers</li> </ul>	
<b>Compatibility/Resistance</b>	<ul style="list-style-type: none"> <li>• Compatible with masonry mortar, concrete, steel, foil, cable sheathing and WEBAC injection materials</li> <li>• Resistant to diluted acids and alkalis, lubricants, oil and fuels</li> </ul>	

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### Test certificates

- Declaration of performance according to Construction Products Regulation
- National Technical Approval according to WHG (Federal Water Act)

### 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](http://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](http://www.webac-grouts.com) and the safety data sheets.

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