

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
 - New on existing 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

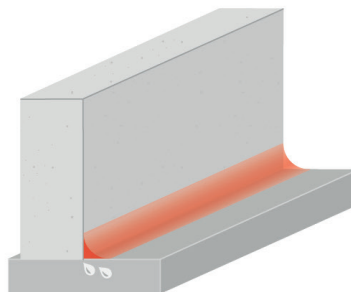
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Properties

- 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



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

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	2 : 1 parts by volume			
Density, 20 °C / 68 °F (ISO 2811)	Comp. A	≈ 1.1 g/cm ³		
	Comp. B	≈ 1.0 g/cm ³		
Pot life		30 °C / 86 °F ≈ 8 min	20 °C / 68 °F ≈ 20 min	12 °C / 54 °F ≈ 30 min
Application temperature Building structure and material	> 5 °C / 41 °F			
Viscosity of mixture		30 °C / 86 °F ≈ 400 mPa·s	23 °C / 73 °F ≈ 770 mPa·s	12 °C / 54 °F ≈ 1,800 mPa·s
Adhesive strength on concrete 7 d, 21 °C / 70 °F (EN 1542) wet (EN 13578)	dry	≈ 4.0 N/mm ²		
	oily	≈ 4.1 N/mm ²		
	wet	≈ 3.6 N/mm ²		
Compressive strength 7 d, 21 °C / 70 °F (ISO 604)	≈ 90 N/mm ²			
Bending tensile strength 7 d, 21 °C / 70 °F (ISO 178)	≈ 110 N/mm ²			
E modulus 7 d, 21 °C / 70 °F (ISO 527)	≈ 2,600 N/mm ²			
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

- ▶ See **WEBAC Brochure Coating Systems**



Coating Systems



Mixing

- Empty component A and B at the given mixing ratio into a bucket (make sure that the containers are completely empty) and mix homogeneously
- 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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WEBAC®

Product data

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

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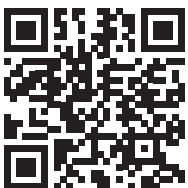
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Test certificates

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

Occupational safety/waste disposal

► Downloads on webac-grouts.com



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