

ROMPOX® 1505 *Standard primer*

Solvent free, low viscosity, 2 component epoxy/amine resin system

Areas of application:

ROMPOX® 1505 is a priming resin used for the capillary sealing of cement bound surfaces (residual moisture ≤ 4 CM%, anhydrite bound surfaces $< 0,5$ CM-%, heated $< 0,3$ CM-%) as a primer and scraping filler for subsequent ROMEX® coatings and sealants.

1. Technical data for liquid components

1.1 Technical data:

System:	2 component EP epoxy/amine resin system		
Density (ABC) at 23°C:	1,09	g/cm ³	DIN EN ISO 2811-1
Viscosity (ABC):	500 ±50	mPas	DIN 53019
VOC content	<315	g/l (EU-Norm, max. 500 g/l)	EU 2004/42/II/A
VOC content	<8,75	g/l (USA-Norm, max. 100 g/l)	ASTM D 2369
Waste key comp. A	08 01 11		acc. to AVV
Waste key comp. B	08 01 11		acc. to AVV
Waste key comp. AB	07 02 13	hardened form	acc. to AVV
GISCODE	RE 30		Bau BG

Please note: Due to the raw materials used, the B component may have colours ranging from light yellow to red brown. These changes in colour do not affect the quality of the product or application properties.

1.2 Delivery form:

2 component containers, 30 kg

Components A and B are supplied in a ready to use mixing ratio. Delivery of larger or smaller containers on request.

1.3 Storage:

In compliance with the regulations and technical rules applying to hazardous substances.

Storage of unopened containers, in cool, dry, frostfree rooms. Ideal storage temperature is approx. 15°C for unopened containers and storage life is 12 months. Temperatures below +10°C and above +35°C should be avoided. After opening, the containers should be used up as soon as possible. Protect contents against moisture. Before use, the material needs to be brought up to ambient temperature.

2. Technical data for application

2.1 Surface requirements before application:

The surface must be loadbearing, even, dry and free of oil, grease, separators and dust. Loose particles and other dirt must be removed. In general, the surface should be prepared by shotpeening or similar and then primed. In some cases it may be necessary to carry out grinding or milling. The adhesion strength of the surface needs to be $\geq 1,5$ N/mm². Residual moisture of the concrete must be ≤ 4 CM%, with anhydrite bound surfaces $< 0,5$ CM-%, heated $< 0,3$ CM-% (i.e CM machine). For cement surfaces with increased residual moisture ≤ 6 CM% ROMPOX® 1506 should be used, for higher residual moisture > 6 CM%, ROMPOX® 1504. Highly porous surfaces need to be primed twice! In all cases, it is necessary, that after priming, all pores on the surface are sealed. Metal surfaces should be treated according to the Swedish norm SA 2 ½ acc. to ISO Norm 8501-1 and then primed with ROMPOX® 1101.

Due to the numerous variations in surfaces – especially with old coatings – we recommend that a sample coating is laid, in order to eliminate any reactions that cannot be calculated in advance.

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2.2 Technical data for application:

Mixing ratio:	A : B	100:50	weight parts
Application time at:	10°C:	60 mins.	ROMEX® NORM 04
	20°C:	30 mins.	ROMEX® NORM 04
	30°C:	15 mins.	ROMEX® NORM 04
Pot time at:	23°C:	35 mins.	ROMEX® NORM 04
Min. hardening temperature:		+10 °C (floor and room temperature)	
Application temperature		15-30 °C (floor and air temperature)	
Dewpoint distance:		at least. 3 °C	
Air humidity:		max. 75 % rel. humidity	

Please note: The times mentioned in item 2.2 are approximations and will vary with differing ambient conditions.

2.3 Application instructions:

Component B (hardener) is poured completely into component A (resin) and stirred well using a slow rotating mixer (approx. 300 rpm, diameter of whisk approx. 1/3 of the diameter of the container). In case of using part measurements (mix A component first, homogenously), these need to be weighed exactly using an electronic scale according to the stated mixing ratio. Mix only the quantity that can be used within the pot time. Do not use straight from the delivery container! Avoid mixing air into mixture. After mixing, pour into a clean container and stir again. ROMPOX® 1505 is applied by flooding using a one lip rubber squeegee and then rolling with a fur roller crosswise.

Please note: If there is a risk of rising damp from the surface, then to prevent osmosis, ROMPOX® 1506 or 1504 should be applied with at least 2 x 0,300 kg/m².

In case of surface and material temperatures below +15°C, levelling and surface faults can occur!

2.4 Application examples:

Work process	ROMEX® Product	Consumption	Application
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2.41 As a primer

.1	Surface preparation		See item 2.1	
.2	Primer	ROMPOX® 1505 Standard primer	min. 0,3 kg/m²	Flooding using rubber squeegee and then with rollers
	Sprinkling if required *	Firedried quartz sand with Ø 0,3-0,8 mm	approx. 0,5 kg/m	Sprinkle

2.42 As a scraping filler

.1	Surface preparation			See item 2.1
.2	Primer	ROMPOX® 1505 Standard primer	min. 0,3 kg/m²	Flooding using rubber squeegee and then with rollers
.3	Scraping filler	layer thickness of 1mm each 1 wp ROMPOX® 1505 1 wp Filler ROMEX® FG10	min. 0,8 kg/m² min. 0,8 kg/m²	With 1 lip hard rubber squeegee or smoothing trowel, smooth well.
	Sprinkling if required *	Firedried quartz sand with Ø 0,3-0,8 mm	approx. 0,5 kg/m	Sprinkle

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*** Note:** When working indoors, sprinkling can be left out, if it is ensured, that subsequent work will take place within 72 hours at the latest.
Please take note of ROMEX® technical specifications for coatings and sealants.

2.5 Cleaning:

Each time work is interrupted, clean all tools and equipment with a general solvent (i.e. ethanol, white spirits).

3. Technical data for application

3.1 Technical data:

Re-application at:	23°C	12 min./ max. hrs.	ROMEX® NORM 07
Can be walked on, at:	23°C	12 hrs.	ROMEX® NORM 07
Fully hardened at	23°C	after 7 days	ROMEX® NORM 07
Compressive strength:		55 N/mm ²	DIN EN 1015-11
Bending tensile strength:		40 N/mm ²	DIN EN 1015-11
Shore-D-hardness:		80 N/mm ²	DIN 53505

3.2 Properties of coating:

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- Low viscosity
- Good penetration
- Can be filled with firedried quartz sand
- Solvent free
- Can be universally used as a primer and scraping filler
- For use indoors and outdoors
- Transparent/light yellow – red-brownish

4. Safety instructions

The products contain reactive materials and are partly hazardous to health in a non-hardened state. The hardener components can cause burns due to high alkali content. It can also cause irritation or skin sensitization. Avoid skin contact. If the product does get onto the skin, wash well with soap and water. If the product gets into the eyes, rinse well with water (keep an eye wash bottle on site) and seek medical treatment immediately. The guidelines in the regulations of handling hazardous materials apply as well as information sheets provided by the professional association of the chemical industry (i.e. BG-Bau, BGR 227 „Handling of epoxy resins“). Exact details on the handling of this product can be found in the safety data sheet for ROMPOX® 1505, comp. A and B.

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5. Important instructions: CE identification

DIN EN 13 813 "Screed mortars, screed mass and screeds – properties and requirements" (Jan. 2003) sets out requirements for screed mortars that are used for floor construction in interior rooms. Synthetic resin coatings and sealants are also included in this norm. Products that are in accord with the aforementioned norm are to be given the CE identification mark.

CE	
ROMEX® GmbH • Mühlgrabenstr. 21 • D - 53340 Meckenheim	
07 ¹⁾	
EN 13813 SR-B1,5-AR1-IR 4	
Synthetic resin screed/coating for interior use in buildings (application according to technical specifications)	
Effects when burned:	Efl ²⁾
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	NPD ³⁾
Abrasion Resistance:	AR 0,5 ⁴⁾
Adhesion strength (Bond):	B 1,5
Impact Resistance:	IR 4
Impact noise insulation:	NPD ³⁾
Noise absorption:	NPD ³⁾
Thermal insulation:	NPD ³⁾
Chemical resistance:	NPD ³⁾

The aforementioned information and instructions for application are based on our experience. Due to the numerous types of surface, application methods and physical conditions when using our materials, the information contained in these technical specifications cannot be used to make any legal claims with regard to the guarantee for the results when working with this product. The user himself is solely responsible for the results and must test the suitability of the materials. We reserve the right to make changes to the technical specifications. Only the newest version of the technical specifications is valid and this can be downloaded at www.romex-ag.de or requested from us in writing.

Legend

- 1) the last two numbers of the year in which the CE identification was attached
- 2) in Germany DIN 4102 is still valid; fire class B2 is fulfilled
- 3) NPD = No Performance Determined
- 4) applies to the smooth, non sprinkled coating

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