

ROMPOX® 1505

Priming and mortar resin, solvent free, low viscosity 2 component epoxy resin system with formulated amine hardeners.

1. Areas of application:

Priming and sealing material for capillary sealing of cement bound surfaces in workshops, production halls, warehouse, carparks, sanitary areas, stairs etc.
It also used as a binding agent for rough surfaces at airports and concrete roads as well as an adhesion bridge for repair mortar.

Due to its low viscosity, ROMPOX® 1505 can be highly filled using mineral fillers and is thus extremely suitable for producing scraping mortars and self-levelling mortars for cement bound surfaces.

2. Technical Data:

Mixing ratio:	3 : 1	weight parts	
Density at 23 °C:	1,08	g/cm ³	DIN EN ISO 2811-1
Viscosity acc. to DIN 53214:	650 ± 50	mPas	DIN 53019
Minimum hardening temperature:	+ 10	°C	
Application time at 23 °C	28	mins.	ROMEX® NORM 04
Re-application at 23 °C	8-48	hrs.	ROMEX® NORM 07
Fully hardened at 23 °C	7	days	ROMEX® NORM 07
Pot time:	25	mins.	ROMEX® NORM 04
Compressive strength:	approx. 55	N/mm ²	DIN EN ISO 604
Bending tensile strength:	approx. 40	N/mm ²	DIN EN ISO 14125
Elongation at break:	4	%	
Shore D hardness	approx. 80		DIN 53505

3. Properties:

- Low viscosity
- Good penetration
- Fillable with ROMEX® additives
- Solvent free
- Can be used universally for priming, scraping filler, self-levelling mortar
- For indoor and outdoor use
- Transparent

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4. Surface requirements:

Cement bound surfaces need to be dry, load bearing, slightly rough, free of vinasse, dust and loose particles as well as free of oil, grease and other impurities that could act as separators. If necessary: Pre-treat surface using sand or shot-peening, grinding or milling. Concrete moisture on the surface must be less than 4 % (CM machine). The minimum adhesion strength of the surface must be 1,5 N/mm² (Herion machine).

5. Instructions for use:

Mixing:

Component B (Hardener) is poured into component A (Resin) and mixed well using a slow rotating mixer. Only mix the necessary amount that can be used up within the pot time. Do not use the delivery container for mixing and application! After mixing pour product into a clean container and stir carefully again. ROMPOX® 1505 is applied using a roller, toothed trowel or smoothing trowel.

Application examples:

1. Priming:

Pos.	Process	ROMEX® Product	Material consumption (kg/m ²)	Applications
1.1	Surface preparation			See above
1.2	Priming	ROMPOX® 1505	0,3	Flooding, using moss rubber squeegee to apply and then rollers.
1.3	Sprinkling	Fire-dried quartz sand Ø 0,2 – 0,7 mm	approx. 1,0	Sprinkling

Note: When working indoors, sprinkling is not necessary if it is ensured that the subsequent applications are carried out the next day at the latest.

2. Scraping filler for evening out surface roughness

Pos.	Process	ROMEX® Product	Material consumption (kg/m ²)	Applications
2.1	Surface preparation			see above
2.2	Priming	ROMPOX® 1505	0,3	Flooding, using moss rubber squeegee to apply and then rollers.
2.3	Scraping filler	Scraping filler made of 1 Pbw ROMPOX 1505 1 Pbw Q.S. 0,1 – 0,5 1 Pbw Q.S 0,2 – 0,7	Depending on roughness	Work into the slowly hardening primer using a hard rubber squeegee or smoothing trowel and then do sharp-edged smoothing.
2.4	Sprinkling	Fire-dried quartz sand Ø 0,2 – 0,7 mm	1,0	Sprinkling

Note: When working indoors, sprinkling is not necessary if it is ensured that the subsequent applications are carried out the next day at the latest.

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3. Self-levelling mortar up to a maximum thickness of 3 mm

Pos.	Process	ROMEX® Product	Material consumption (kg/m²)	Applications
3.1	Surface preparation			see above
3.2	Priming	ROMPOX® 1505	0,3	Flooding, using moss rubber squeegee to apply and then rollers.
	Sprinkling	Fire-dried quartz sand Ø 0,2 – 0,7 mm	1,0	Sprinkling
3.3	Self-levelling mortar	Scraping filler made of 1 Pbw ROMPOX 1505 1 Pbw Q.S. 0,09 – 0,2 1,5 Pbw Q.S 0,2 – 0,7	3,5/2 mm	Work into the slowly hardening primer using a hard rubber squeegee or smoothing trowel and then do sharp-edged smoothing.
	Sprinkling	Fire-dried quartz sand Ø 0,2 – 0,7 mm or Ø 0,7 – 1,2 mm	According to required roughness	Sprinkling

The sprinkling increases the total layer thickness by 30 – 50 %.

6. Cleaning:

Clean all equipment and tools immediately after use.

7. Delivery form:

30 kg tin containers of components A and B in a ready to use mixing ratio.
Delivery of large quantities on request.

8. Storage:

Storage capacity is one year when stored in original, sealed containers and in dry rooms. Storage temperature at least 10°C. Avoid direct sunlight.

9. Safety instructions:

The products contain reactive ingredients and are partly hazardous to health in an unhardened state. The resin components can cause burns due to their high alkali content and can also cause skin sensitisation. Avoid skin contact. In case of skin contact, wash well with water and soap. In case of eye contact, rinse with plenty of water and seek medical help immediately.

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10.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.

	
ROMEX® AG • Weidesheimer Str. 17 • D - 53881 Euskirchen	
07 ¹⁾	
EN 13813 SR-B1,5-AR0,5- Efl	
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:	AR0,5 ⁴⁾
Adhesion strength (Bond):	B 1,5
Impact resistance:	IR 4
Impact noise insulation:	NPD
Noise absorption:	NPD
Thermal insulation:	NPD
Chemical resistance:	NPD

- 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

NOTE:

Our recommendations, which are given to assist buyers & endusers, are based on experience and correspond to the current levels of knowledge in science and practice, however they are not binding and have no legal force. It is recommended adapting methods and quantities of product to the local needs. (Edition 2008-03-12) REV 03

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