ROMPOX® 1506OS primer

Solvent free, low viscosity, 2 component epoxy/amine resin system as primer for trafficked and mechanically highly loadbearing surfaces without bridging of cracks. Corresponds to test classification OS 8 acc. to EN 1504-2 and DIN V 18206 for the protection and maintenance of concrete supports. Additional passed test against rising damp after 230 days according to DIN EN 13578

1.0 Areas of application

ROMPOX® 1506OS is a priming resin used for the capillary sealing of cement bound surfaces (residual moisture ≤4 CM%) as a primer and scraping filler for coating systems in carparks, underground carparks, entry and exit ramps, parking spaces and roads indoors. Not suitable for weathered surfaces without roofing.

2.0 Technical data of liquid components

2.1 Technical data

System	**2 component EP/amine resin system**		
Density (AB) at 23° C	**1,06**	g/cm³	DIN EN ISO 2811-1
Viscosity	**400 ±50**	mPas	DIN 53019
VOC content	**<500**	g/l (EU Norm, max. 500 g/l	EU 2004/42/II/A
Waste disposal key comp. A	**08 01 11**		acc. to AVV
Waste disposal key comp. B	**08 01 11**		acc. to AVV
Waste disposal key comp. AB	**07 02 13**	hardened form	acc. to AVV
GISCODE	**RE 30**		Bau BG

2.2 Delivery form

ROMPOX® 1506OS: Two component containers, 30 kg
Components A and B are supplied in a ready to use mixed ratio. Delivery in large or small containers on request.

2.3 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.

3.0 Technical data for application

3.1 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. In some cases it may be necessary to carry out grinding or milling. The minimum adhesion strengh of the surface must be ≥1,5 N/mm². Residual moisture of the concrete must be ≤6 CM% (test with CM machine). For cement surfaces with increased residual moisture ≤6 CM%, ROMPOX® 1506 is used, for higher residual moisture >6 CM% use ROMPOX® 1504 (as moisture barrier). Highly porous surfaces need to be primed twice! In all cases, it is necessary, that afer 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.

3.2 Technical data for application

Mixing ratio A:B		**100 : 50**	Weight parts	
Application time at	10° C	**60**	minutes	ROMEX® - Norm 04
	20° C	**30**	minutes	ROMEX® - Norm 04
	30° C	**15**	minutes	ROMEX® - Norm 04
Pot time	23° C	**30**	minutes	ROMEX® - Norm 04
Min. hardening temperature		**+10**	°C	Floor and air temperature
Application temperature		**15-30**	°C	Floor and air temperature
Dewpoint distance		**≥3**	°C	Floor and air temperature
Air humidity		**≤75**	%	Relative air humidity

Please note: *The times mentioned in item 3.2 are approximations and will vary with differing ambient conditions*

3.3 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® 1506OS can be applied using rollers, squeegee or smoothing trowel.

Please note: *In case of surface and material temperatures below +15°C, or when going below the dewpoint distance, levelling and surface faults can occur as well as adhesion problems within the coating system!*

3.4 Application example

as **carpark coating OS 8 approx. 1.5mm**
on cementbound surface

Work process	Product	Consumption	Application
Surface preparation	-	-	see point 3.1
Primer	**ROMPOX® 1506OS** Primer	**min. 0,5 kg/m²**	Flooding with rubber squeegee and then rollers
Sprinkling	Firedried **quartz sand** with Ø 0,3 - 0,8 mm or Ø 0,7 - 1,2 mm	**approx. 3-4 kg/m²**	Sprinkle liberally, (after hardening, brush off and vacuum)
Topcoat sealant	**ROMPOX® 1005OS** Coating	**min. 0,7 kg/m²** (with sprinkling 0,3-0,8 kg/m²	With one lip hard rubber slider and then level off sharply, then rollers
		min. 0,9-1,2 kg/m² (with sprinkling with 0,7-1,2 mm)	(due to environmental factors often found in carparks, the consumption of this grainsize is >1,0 kg/m²)

3.5 **Application example**
as **carpark coating OS 8 approx. 2.5mm**
on cementbound surface

Work process	Product	Consumption	Application
Surface preparation	-	-	see point 3.1
Primer	**ROMPOX® 1506OS** Primer	**min. 0,3 kg/m²**	Flooding with rubber squeegee and then rollers
Sprinkling	Firedried **quartz sand** with Ø 0,1 - 0,5 mm	**approx. 3 kg/m²**	Sprinkle liberally, (after hardening, brush off and vacuum)
Scraping filler	**ROMPOX® 1506OS** Coating	**min. 0,5 kg/m²** (with sprinkling with 0,3-0,8 mm)	With one lip hard rubber slider and then level off sharply, then rollers
Sprinkling	Firedried **quartz sand** with Ø 0,3 - 0,8 mm or Ø 0,7 - 1,2 mm	**approx. 3-4 kg/m²**	Sprinkle liberally, (after hardening, brush off and vacuum)
Topcoat sealant	**ROMPOX® 1005OS** Coating	**min. 0,7 kg/m²** (with sprinkling 0,3-0,8 kg/m²	With one lip hard rubber slider and then level off sharply, then rollers
		min. 0,9-1,2 kg/m² (with sprinkling with 0,7-1,2 mm)	(due to environmental factors often found in carparks, the consumption of this grainsize is >1,0 kg/m²)

3.6 **Application example**
as **carpark coating OS 8 approx. 2.5mm**
on cementbound surface

Work process	Product	Consumption	Application
Surface preparation	-	-	see point 3.1
Primer	**ROMPOX® 1506OS** Primer	**min. 0,8 kg/m²**	Flooding with rubber squeegee and then rollers
Sprinkling	Firedried **quartz sand** with Ø 0,3 - 0,8 mm or Ø 0,7 - 1,2 mm	**approx. 3-4 kg/m²**	Sprinkle liberally, (after hardening, brush off and vacuum)
Topcoat sealant	**ROMPOX® 1005OS** Coating	**min. 0,7 kg/m²** (with sprinkling 0,3-0,8 kg/m²	With one lip hard rubber slider and then level off sharply, then rollers
		min. 0,9-1,2 kg/m² (with sprinkling with 0,7-1,2 mm)	(due to environmental factors often found in carparks, the consumption of this grainsize is >1,0 kg/m²)

Attention! When applying according to Rili-SIB (2001), the corresponding AbP should be heeded. According to DIN V 18026 instructions for application.
Depending on ambient temperature, consumption may vary. At temperatures below 15 °C, there will be higher material consumption.

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

4.0 Technical data of hardened product

4.1 **Technical data of hardened product**

Re-application at 23 °C	**8-48**	min. / max. hrs.	ROMEX® - NORM 07
Can be walked on at 23 °C	**24**	hrs.	ROMEX® - NORM 07
Fully hardened at 23 °C	**>7**	days	ROMEX® - NORM 07
Compressive strength:	**>90**	N/mm²	DIN EN 1015-11
Bending tensile strength:	**>60**	N/mm²	DIN EN 1015-11
Shore-D-Hardness 23 °C	**±80**	Shore-D	DIN 53505
Abrasion (Taber Abrasion) 1000g/CS10	**15-30**	mg	DIN EN ISO 438-2

4.2 **Properties of coating**

- low viscosity
- very high abrasion resistance
- good penetration
- fillable with firedried quartz sand
- solvent free
- can be used universally as a primer and scraping filler
- transparent light yellow - red brownish

Note: *If possible, always use material from the same production batch, especially on visible surfaces, as material from different production batches, may have slightly differing colour nuances. Hardened, liquid plastics are subjected to environmental factors i.e. UV rays and can thus change visually after hardening (i.e. yellowing, loss of gloss, white discolouration). The functioning of the industrial floor is not affected by this and does not constitute a fault. The colours of the products depend on raw materials and production methods and may have slight deviations compared to the RAL colours. It cannot be guaranteed that there will be exact matching of RAL colours.*

5.0 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® 1506OS, comp. A and B.

6.0 Important instructions: CE identification

According to EC certificate from the works own production control, no. 1119-CPD-13111, KIWA Polymer Institut GmbH, 65439 Flörsheim-Wicker, it is confirmed that all regulations regarding the certification of the works own production control, described in enclosure ZA for the norm DIN EN 1504-2, issue 01/2005 have been applied.

CE	
ROMEX® GmbH • Von-Bassenheim-Straße 2 • D - 53881 Euskirchen	
13 [1)]	
1119-CPD-13111	
EN 1504-2 / DIN V 18026	
Surface protection products - coatings	
Linear shrinkage	<0,10 %
Compressive strength	90 N/mm²
Heat expansion coefficient	NPD 3)
Abrasion strength	<3000 mg; AR 1
Grid cut	NPD [3)]
Capillary water absorption and water permeability	w < 0,1 kg/m²*$h^{0,5}$
CO_2 permeability	s_D CO [m] >50
Steam permeability	Klasse III >50 s_D [m]
Temperature change compatibility	≥ 2,0 (1,5) N/mm²
Resistance to temperature shock	NPD [3)]
Chemical resistance	Klasse I Loss of hardness < 50 %
Impact resistancet	Klasse I (>4,0 Nm)
Crack bridging capability	NPD [3)]
Tear off test	≥2,0 N/mm²
Effects when burned	Bfl s1[2)]
Roughness	Klasse III
Artificial weathering	NPD [3)]
Antistatic performance	NPD [3)]
Adhesion strength on wet concrete	NPD [3)]
Hazardous materials	Complies with EN 1504-2, 5.3

The aforementioned information and instructions for application are based on our expereince. 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 B1 is fulfilled*
3) *NPD = No Performance Determined*
4) *applies to the smooth, non sprinkled coating*

Notes

Our recommendations, which are given to assist buyers & endusers, are based on our 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. If necessary a sample surface should be laid beforehand

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