

ROMPOX® ASCOLOR *Mortar Resin*

Solvent free, medium viscosity, 2 component polyurethane system for permanent repair of asphalt surfaces in doors and non public surfaces.

With addition of sand or gravel (sand < 1,2mm, gravel < 8,0mm)

Areas of application:

ROMPOX® ASCOLOR is a special mortar resin suitable for use on asphalt surfaces. It is a high quality polyurethane resin system, that is ideal for the manufacture of repair mortars for the use in repairs of damage poured asphalt surfaces.

Areas of application: Indoors and outdoors on small surfaces instead of poured asphalt. On connecting areas of poured asphalt and other construction components i.e. joint construction, angle splints, foundations, day seams.

1. Technical data for liquid components

1.1 Technical data:

System:	2 component polyurethane system		
Density (ABC) at 23°C:	1,30	g/cm ³	DIN EN ISO 2811-1
Viscosity (ABC):	4500 ±100	mPas	DIN 53019
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	PU 40		Bau BG

1.2 Delivery form:

Two component containers - 30 kg
Components A and B are supplied in the correct 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:

Loose parts and other dirt must be removed. Cracks should be widened, all edges must be clean and free of dust and separators. The adhesion strength of the surface must be ≥1,5 N/mm² .

2.2 Technical data for application:

Mixing ratio:	A : B	100 : 20	weight parts
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Application time at:	10°C:	50	mins.	ROMEX® NORM 04
	20°C:	25	mins.	ROMEX® NORM 04
	30°C:	25	mins.	ROMEX® NORM 04
Pot time at:	23°C:	50	mins.	ROMEX® NORM 04
Min. hardening temperature:		+10	°C (floor and air 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 the diameter of 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® ASCOLOR is mixed with dry sand or gravel until it has a poured asphalt like consistency.

2.4 Application examples:

Work process	ROMEX® Product	Consumption	Application
As repair mortar			
.1 Surface preparation			See item 2.1
.2 Repair mortar All layer thicknesses possible	ROMPOX® ASCOLOR 1:2,3 with quartz sand < 1,2mm	2 kg/ltr.	Pour into area to be repaired and compact.
.3 Subsequent treatment	Asphalt sand	1-2 kg/m²	Sprinkle on sand and rub in

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	8	min./ max. hrs.	ROMEX® NORM 07
Can be walked on at:	23°C	20	hrs.	ROMEX® NORM 07
Fully hardened at	23°C	after 7	days	ROMEX® NORM 07
Shore hardness: binding agent:		approx. 85	Shore A	DIN 53505

3.2 Properties of repair mortar:

- Easy and quick application


- Low machinery and personnel expenses
- Hardens without shrinking
- Solvent free
- Very good adhesion of edges to poured asphalt and other construction components
- Suitable for use both indoors and outdoors
- After sand sprinkling and rubbing in, the surface structure is similar to poured asphalt

4. Safety instructions

The products contain reactive materials and are partly hazardous to health in a non-hardened state. 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® ASCOLOR, comp. A and B.

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.

	
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⁾

- 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

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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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.