

ROMPOX[®] 1204 *sealant*

Solvent free, fast to food, pigmented 2 component epoxy resin system with formulated amine hardener.

1. Areas of application:

ROMPOX[®] 1204 sealant is a coloured coating for cement bound surfaces such as concrete, plaster, screed, asbestos cement and iron, steel and aluminium, with excellent chemical resistance.

ROMPOX 1204 sealant is used as a sealant in areas that are exposed to high chemical loads such as production areas in the chemical and petrochemical industry because of its very good resistance to mineral oils, petrol, super petrol, kerosene and diesel. It is also used as a sealant in the production areas of drinks and food industries because of its high resistance to lactic acid, fruit acids and high percentage alcohol/water mixtures. It is used in particular in dairies and cheese and milk factories.

Note on these technical specifications:

In order to provide even more detailed information for the user, we have divided these technical specifications into 3 categories: technical data regarding components, application and the finished product. In addition, we have also set up our own testing norms in order to guarantee the highest safety when applying and using the product.

1. Components / technical data:

Viscosity:	100	secs.	6mm DIN beaker
Viscosity:	2.500	mPas	DIN 53019
Density:	1,42	g/cm ³	DIN EN ISO 2811-1

1.2 Delivery form:

30 kg containers

1.3 Storage:

Can be stored for at least 12 months when stored cool, dry and frostfree in sealed, unopened containers. Temperatures below +5°C and over + 35°C must be avoided. After opening, seal containers airtight and protect against moisture and use up remaining contents as soon as possible.

2. Application / technical data:

Mixing ratio:	4 : 1	weight parts	
Pot time at 10°C:	50	mins.	ROMEX [®] NORM 04
at 20°C:	25	mins.	ROMEX [®] NORM 04
at 30°C:	10	mins.	ROMEX [®] NORM 04

2.1 Surface requirements before application:

The surface must be load bearing, even, dry and free of oil, grease and dust. Loose particles and other dirt must be removed. In most cases, the surface should be shotpeened and then primed. In some cases it may be necessary to carry out grinding or milling. The minimum adhesion strength of the concrete needs to be > 1,5 N/mm². Residual moisture must be < 4% (i.e. CM machine or electronic moisture measuring equipment). Cement surfaces with a high residual moisture ≤ (6%) must be treated with ROMPOX[®] 1506 adverse to osmosis EP primer. The concrete surface must be evened out using ROMPOX[®] 1505 as either a primer or scraping filler, in order to achieve an extremely smooth surface. Highly porous surfaces need to be primed twice!

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Metal surfaces should be treated according to the Swedish norm SA 2 ½ and then primed with ROMPOX® 1101.

2.2 Application instructions:

Component B (hardener) is poured completely into component A (resin) and stirred well using a slow rotating mixer (approx. 300 rpm). In case of using part measurements, 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! After mixing, pour into a clean container and stir again. ROMPOX® 1204 sealant can be applied using a roller or smoothing trowel.

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

2.3 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 and seek medical treatment. For further information please consult the information sheet on reactive resins and polyesters provided by the professional association of the chemical industry. Exact details on the handling of this product can be found in the safety data sheet.

2.4 Application examples:

- Item 1) Expert mechanical surface preparation
- Item 2) Prime using ROMPOX® 1506 mortar resin, consumption 0,3 kg/m² depending on porosity and condition of surface.
Note on 2:
After priming, the surface must be smooth and level. If after surface preparation, there is major surface roughness, then this needs to be evened out using an additional scraping filler made of ROMPOX® 1506 and ROMEX® 3209.
- Item 3) Sprinkling of the primer/scraping filler using ROMEX® 3202, consumption 1,5 kg/m².
- Item 4) Application of ROMPOX 1507 food industry coating* using toothed trowel and then aeration using a metal pinfeed platen.
- Item 5) Sprinkling of ROMPOX 1507 food industry coating using ROMEX 3203, consumption 3,0 kg/m².
- Item 6) Sealing the sprinkled food industry coating using ROMPOX 1204 sealant. Consumption 0,7 kg/m². ROMPOX 1204 can be applied in 1 layer. We recommend 2 layer application to ensure better quartz grain coverage: 1st layer with 0,4 kg/m², 2nd layer with 0,3 kg/m².

**(at 20°C fillable to the ratio 1 : 1, at 15°C fillable to 1 : 0,8)*

2.5 Cleaning:

Tools and equipment should be cleaned immediately after use with ROMEX 3224 cleaning agent.

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3. Finished product / technical data:

Compressive strength:	70	N/mm ²	DIN EN ISO 604
Bending tensile strength:	30	N/mm ²	DIN EN ISO 14125
Re-application:	5 – 24	hrs.	ROMEX NORM 07
Fully hardened:	after 7	days	ROMEX NORM 07
E module:	4.000	N/mm ²	DIN 18555-4
Shore D hardness:	80		DIN EN ISO 868, DIN 53505

3.1 Finished product properties:

- Very good chemical resistance (see separate chemical resistance list)
- Fast to food
- Can be applied with rollers, also to walls
- Very good abrasion strength

Note: The colours shown on the ROMEX® standard paintchart are approximate. Slight deviations compared to the RAL colours are of a technical nature and do not constitute a fault. Special colours on request.

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6. 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:	NDP
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 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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