

ROMPOX® 1080 elasticated coating

Elastified, chemically highly load bearing, polysulfide-modified coating for wet areas that need to fulfill the standards of the WHG (federal water act = can bridge cracks to a certain extent, highly chemically load bearing.)

1. Areas of application:

ROMPOX® 1080 is a coloured, self-levelling, highly chemically resistant, elastified floor coating for cement bound surfaces and also for the coating of hard poured asphalt surfaces as well as steel platforms indoors and outdoors. Areas of use floors that have high mechanical and chemical loads such as printing factories, laboratories, atomic power plants, chemical companies, sewage plants, petrol stations, mineral oil industries, solvent warehouses, paintshops, etc. It can also be used to produce nonslip surfaces. ROMPOX® 1080 is also used as an elastic sealing material for sprinkled, elastic coatings. It improves the adhesion of the sprinkled material.

2. Technical data for liquid components:

2.1 Technical data:

System: 2 component AF epoxy resin system with formulated amine hardener

Mixing ratio: 5 : 1 weight parts

Density at 23°C: 1,35 g/cm³ DIN EN ISO 2811-1

Viscosity: 1.000 mPas DIN 53019

2.2 Delivery form:

30 kg containers.

2.3 Storage:

Can be stored for at least 12 months in unopened containers, in cool, dry, frostfree rooms. Temperatures below 5°C and over + 35°C should be avoided. After opening the containers should be used up as soon as possible. Protect contents against moisture.

3. Technical data for application:

3.1 Surface requirements before application:

The surface must be 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% (CM machine). 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. Cement surfaces with a high residual moisture ≤ (6%) must be treated with ROMPOX® 1506. Highly porous surfaces need to be primed twice! Metal surfaces should be treated according to the Swedish norm SA 2 ½ and then primed with ROMPOX® 1101.

3.2 Technical data for application:

Min. hardening temperature:	15	°C		
Pot time at	10°C:	100	mins.	ROMEX® NORM 04
	20°C:	50	mins.	ROMEX® NORM 04
	30°C:	25	mins.	ROMEX® NORM 04

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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). 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® 1080 can be applied using a roller, squeegee or smoothing trowel. For better aereation use a metal pinfeed platen.

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

3.4 Application examples:

Please see the standard specifications for sales for application examples.

3.5 Cleaning:

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

4. Technical data coating:

4.1 Technical data:

Re application at	23°C:	4 – 48	hrs.	ROMEX® NORM 07
Fully hardened at:	23°C:	after 7	days	ROMEX® NORM 07
Tensile strength:		4	N/mm ²	DIN EN ISO 14125
Elongation at break:		approx. 50	%	
Shore A hardness:		approx. 95		DIN EN ISO 868
Shore D hardness:		approx. 55		DIN 53505
Abrasion- resistance (with Taber Abraser)		< 40	mg	DIN EN ISO 9352

4.2 Properties of the hardened coating:

- Meets the requirements of the federal water act (WHG)
- Very good resistance to yellowing
- Elastified, bridges cracks up to 0,3 mm in cases of static cracks
- Highly chemically resistant, e.g. against lactic or sulphuric acid (see chemical resistance list ROMPOX® 1080)
- Low viscosity
- Solvent free
- Improves abrasion resistance of sprinkled surfaces
- Highly fillable with quartz sand 0,1 – 0,3 mm with a ratio of 1 : 1 for sprinkled coatings with subsequent sealing, final layer fillable to max. 1 : 0,5. (Requirements for this are at least 15°C surface and material temperature)
- Many standard colours and light colours up to approx. RAL 9001 (cream) available

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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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.

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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)	
NPD	
Synthetic resin screed/coating for interior use in buildings (application according to technical specifications)	
Effects when burned:	NPD 3)
Release of corrosive substances (Synthetic Resin Screed):	NPD 3)
Water permeability:	NPD 3)
Abrasion resistance:	NPD 3)
Adhesion strength (Bond):	NPD 3)
Impact resistance:	NPD 3)
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

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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