ROMPOX® 1005 coating

Solvent free, pigmented 2 component AF epoxy resin system with formulated amine hardener.

1. Areas of application:

ROMPOX® 1005 is a ready to use, self-levelling, viscous elastic floor coating for cement bound and metal surfaces in areas exposed to chemical and mechanical loads. It is especially used in production plants for high quality industrial goods such as in the electronics industry, the pharmaceutical industry, the automotive industry, engineering and atomic power plants. It can also be used for coating floors in carparks in accordance with OS 8.

2. Technical data for liquid components:

2.1 Technical data:

Density at 23°C:	1,48	g/cm³	DIN EN ISO 2811-1
Viscosity:	approx. 2.300	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 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:

Mixing ratio:		100 : 21,5	weight parts	
Pot time at	10°C:	70	mins.	ROMEX® NORM 04
	20°C:	35	mins.	ROMEX® NORM 04
	30°C:	20	mins.	ROMEX® NORM 04
Min. hardening temperature:		> 8	°C	

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.

../

Page 2 of Technical Specifications ROMPOX® 1005 – coating

ROMPOX® 1005 can be applied using a roller, squeegee or smoothing trowel. For better aereation use a plastic pinfeed platen.

Please note: the minimum consumption of ROMPOX® 1005 (resin and hardener mixture) is 1,5 kg/m²!

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:	8 – 24	hrs.	ROMEX® NORM 07
Fully hardened:		after 7	days	ROMEX® NORM 07
Compressive strength:		55	N/mm²	DIN EN ISO 604
Tensile strength:		15	N/mm²	DIN EN ISO 527-4
Bending tensile strength:		35	N/mm²	DIN EN ISO 14125
Shore D hardness:		80		DIN EN ISO 868, DIN 53505
Abrasion resistance (with Taber Abraser)		< 70	mg	DIN EN ISO 9352

4.2 Properties of the hardened coating:

- Can be decontaminated (see testing certificate)
- Suitable for carpark floor coating OS 8 (see testing certificate)
- Highly elastic
- Viscous hard floor coating, resistant to forklifts
- Very high abrasion resistance
- Can be made nonslip
- Solvent free
- Good chemical resistance (see separate chemical resistance list)
- 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.

5. 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.

../

TECHNICAL SPECIFICATIONS

Page 3 of Technical Specifications ROMPOX® 1005 – coating

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.

CE	
ROMEX® AG • Weidesheimer Str. 17 • D - 53881 Euskirchen	
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:	AR1 [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 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.
(Issue 2008-03-12) REV 11 TD_GB_ROMPOX_1005_Beschichtung.doc

ROMEX® AG • Weidesheimer Str. 17 • D - 53881 Euskirchen • Tel.: +49 (0) 22 51 / 94 12-10
Fax: +49 (0) 22 51 / 94 12-177 • E-Mail: info@romex-ag.de • Internet: www.romex-ag.de