

# ROMPOX® 1503

## Primer for oil contaminated surface

**Solvent free, highly fillable, 2 component epoxy/amine resin system  
 for use on oil contaminated surfaces**

### 1.0 Areas of application

ROMPOX® 1503 is primarily used on partially oil contaminated concrete surfaces.

### 2.0 Technical data of liquid components

#### 2.1 Technical data

System	<b>2 component EP/amine resin system</b>		
Density (AB) at 23° C	<b>1,95</b>	g/cm <sup>3</sup>	DIN EN ISO 2811-1
Viscosity	<b>1550</b>	mPas	DIN 53019
VOC content	<b>&lt;500</b>	g/l (EU Norm, max. 500 g/l)	EU 2004/42/II/A
Waste disposal key comp. A	<b>08 01 11</b>		acc. to AVV
Waste disposal key comp. B	<b>08 01 11</b>		acc. to AVV
Waste disposal key comp. AB	<b>07 02 13</b>	hardened form	acc. to AVV
GISCODE	<b>RE 1</b>		Bau BG

#### 2.2 Delivery form

ROMPOX® 1503: 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

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 strength of the surface must be  $\geq 1,5$  N/mm<sup>2</sup>. On oil contaminated concrete, ROMPOX® 1503 needs to be applied onto the expertly cleaned still damp surface, so that any rising oil does not affect the adhesion of the primer to the surface. The surface must not be covered by a film of water. ROMPOX® 1503 is applied thoroughly by flooding and with a one lip rubber squeegee and then using a long hair fur roller, distributed evenly in order to achieve good covering and to make the dispersion of oil/water easier. Subsequent sprinkling with sand is absolutely necessary. Do not use directly from the delivery container! After mixing, fill into a clean container and stir carefully. After ROMPOX® 1503 hardens, any water and oil emissions should be cleaned thoroughly from the surface. Only then can further coating processes be carried out.

## 3.2 Technical data for application

Mixing ratio A:B		<b>100 : 16</b>	weight parts	
Application time at	10° C	<b>160</b>	minutes	ROMEX® - Norm 04
	20° C	<b>80</b>	minutes	ROMEX® - Norm 04
	30° C	<b>40</b>	minutes	ROMEX® - Norm 04
Pot time	23° C	<b>30</b>	minutes	ROMEX® - Norm 04
Min. hardening temperature		<b>+10</b>	°C	Floor/air temperature
Application temperature		<b>15-30</b>	°C	Floor/air temperature
Dewpoint distance		<b>≥3</b>	°C	Floor/air temperature
Air humidity		<b>≤75</b>	%	relative air humidity

**Bitte beachten:** Die unter Pos. 3.2 angegebenen Zeiten sind ca. Angaben und variieren bei alternativen Umgebungsbedingungen.

## 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® 1503 is applied thoroughly by flooding and with a one lip rubber squeegee and then using a long hair fur roller, distributed evenly in order to achieve good covering and to make the dispersion of oil/water easier. In all cases, the primer must be pore free and covered completely.

**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 primer

on cementbound surface

Work process	Product	Consumption	Application
Surface preparation	-	-	see item 3.1
<b>Primer</b>	<b>ROMPOX® 1503</b> Primer	<b>min. 1,0 kg/m<sup>2</sup></b>	Flooding with rubber squeegee then with rollers
<b>Sprinkling absolutely necessary</b>	Firedried <b>quartz sand</b> with <b>Ø 0,3 - 0,8 mm</b> , or <b>Ø 0,1 - 0,5 mm</b>	<b>approx. 1,0 kg/m<sup>2</sup></b>	Sprinkle evenly

\* **Note:** The surface prepared like this, can have all other ROMEX® coating systems applied to it depending on requirements. We recommend testing adhesion before further application, using adhesion measuring equipment or by grid cut testing.

When using subsequent smooth or rough coating systems, we recommend first using scraping filler as an in between layer (see technical specifications for coating system used). This reduces the risk of topcoat damage caused by oil rising to the top or primer sprinkling material remaining visible.

ROMEX® coating and sealant technical specifications should be heeded.

Depending on ambient temperature, consumption may vary. At temperatures below 15 °C, there will be higher material consumption.

### 3.5 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	<b>24-48</b>	min. / max. hrs.	ROMEX® - NORM 07
Can be walked on at	23 °C	<b>24</b>	hrs.	ROMEX® - NORM 07
Fully hardened at 23 °C		<b>&gt;2</b>	days	ROMEX® - NORM 07
Compressive strength:		--	N/mm <sup>2</sup>	DIN EN 1015-11
Bending tensile strength:		--	N/mm <sup>2</sup>	DIN EN 1015-11
Shore-D-hardness		<b>±80</b>	Shore-D	DIN 53505
Abrasion (Taber Abraser)		--	mg	DIN EN ISO 438-2
Hard particle content		<b>99 ±1</b>	%	

### 4.2 Properties of coating


- highly viscous
- disperses water from concrete pores, this results in good adhesion even on damp concrete surfaces
- acts as a barrier against capillary rising oil and other substances contained within the concrete surface
- solvent free
- colour: grey

## 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® 1503, comp. A and B.

## 6.0 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® MB GmbH • Weidesheimer Str. 17 • D - 53881 Euskirchen	
14 <sup>1)</sup>	
EN 13813 SR-B1,5-AR0,5-IR4	
Synthetic resin screed/coating for interior use in buildings (application according to our technical specifications)	
Effects when burned:	Efl <sup>2)</sup>
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	NPD <sup>3)</sup>
Abrasion Resistance:	AR0,5 <sup>4)</sup>
Adhesion strength (Bond):	B1,5
Impact Resistance:	IR4
Impact noise insulation:	NPD <sup>3)</sup>
Noise absorption:	NPD <sup>3)</sup>
Thermal insulation:	NPD <sup>3)</sup>
Chemical resistance:	NPD <sup>3)</sup>

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-mb.de](http://www.romex-mb.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 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

### Issue 2015-10-16 ab, hb

TD\_GB\_ROMPOX 1503 Grundierung für Ölkontaminierte Untergründe\_Rev11\_2015-11