Epoxy Primer OS

Special primer in the Remmers OS 10 EP pro system

Type/Name	Availability	
	Quantity per pallet	
	Size / Quantity	**25 kg**
	Type of container	Tin bucket
	Container code	26
	Art. no.	
Epoxy Primer OS	6057	■

Application rate

See application examples

Range of use

- Priming and levelling

Property profile

- Can be subjected to mechanical loads
- Excellent adhesion on concrete and cement screed
- Tested against rear moisture penetration
- Suitable for substrates containing residual moisture
- Physiologically harmless once fully cured

Characteristic data of the product

- On delivery

	Component A	Component B	Mixture
Density (20 °C)	1.15 g/cm³	1.0 g/cm³	1.1 g/cm³
Viscosity (20 °C)	600 mPa s	230 mPa s	600 mPa s

- Once fully cured

Flexural tensile strength	23 N/mm²
Compressive strength	88 N/mm²

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

› Angaben zur Ausführung DIN V 18026-06 Anhang A - Remmers Deck OS-Systeme

Preparation

- Substrate requirements

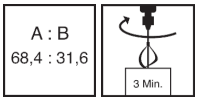
The substrate must be firm, dimensionally stable, capable of bearing loads and free of loose constituents, dust, oil, grease, rubber marks and other substances that could interfere with adhesion.
The tensile strength of the surface of the substrate must be at least 1.5 N/mm² on average (smallest individual value of at least 1.0 N/mm²), and the compressive strength must be at least 25 N/mm².
The substrate can be slightly moist but without liquid film on the surface and should not be exposed to major temperature swings (vapour pressure). In this case the primer must always be applied twice.
The substrate must be protected from exposure to moisture from underneath during utilisation.

Concrete	max. 6 m% moisture
Cement screed	max. 6 m% moisture

- Substrate preparation

Prepare the substrate by suitable means, e.g. steel ball jetting or diamond grinding, so that it meets the requirements specified above.
Broken out or missing areas in the substrate should be filled flush with the surface using Remmers PCC systems or Remmers EP mortars.

Production of the mixture



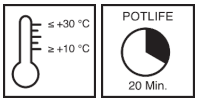
- Combi-container

Add the entire quantity of the hardener (component B) to the base compound (component A).
Mix thoroughly with a slow-speed electric mixer
(approx. 300 - 400 rpm).
Pour the mixture into a separate container and mix again thoroughly.
Mix for at least 3 minutes.
Insufficient mixing is indicated by streaks forming.

Mixing ratio (A : B)	68.4 : 31.6 parts by weight

As soon as the mixture is ready to use, apply all of it to the prepared surface and spread it using a suitable tool.

Directions



For professional users only!

- Conditions for use

During the curing process, the applied material should be protected from moisture which could impair the surface and impair the adhesion.
Relative humidity should not exceed 80%.
The temperature of the substrate must be at least 3 °C above the dew point temperature during application and curing.

- Working time (+20 °C)

Approx. 20 minutes

- Waiting time (+20 °C)

Waiting time between coats min. 12 hours and max. 24 hours.
If waiting times are longer due to site conditions, the surface of the previous coat must be broadcast in a specific manner with fire-dried quartz sand (e.g. grain size 0.3-0.8 mm) while fresh or sanded back until stress-whitening begins to occur before proceeding to the next step.

- Drying time (+20 °C)

Foot traffic after 1 day, full mechanical loading capacity after 7 days.

As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Application examples

- Priming

Apply the mixed resin generously to the surface. Distribute with a suitable tool, e.g. rubber blade, and work into the substrate with an epoxy roller so that pores in the surface of the substrate are completely filled.
It may be necessary to apply several layers.

Application rate	approx. 0.3 - 0.5 kg/m²

- Levelling layer/scratch coat

The filled material (up to 1 : 1 parts by weight) is applied to the primed surface and distributed with a suitable trowel. If necessary, roll over with a spiked roller.

Application rate	Per mm layer thickness: approx. 0.85 kg/m² binder and 0.85 kg/m² Selectmix 01/03

Notes

Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C) using standard colours. Slight deviations from these values may arise if the product is worked with on site.
Primers must always be applied so that all pores are filled; it may therefore be necessary to increase the application rate or to apply a second coat.
Epoxy resins are generally not colourfast when exposed to UV light or weather.
Abrasive mechanical loads leave traces of wear.
Refer to the applicable test certificate for the Remmers Deck OS 10 EP pro system.
Further notes on working, system construction and maintenance of the listed products can be found in the latest Technical Data Sheets and the Remmers system recommendations.

Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 months.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (cat A/j): max. 500 g/l (2010).
This product contains < 500 g/l VOC.

VOC
Kat. A/j
2010: 500g/l
max.: 500g/l

Declaration of performance

› Declaration of performance

Declaration of conformity

CE

0921, 1508

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EN 1504-2:2004
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Surface protection products – Coating

Linear shrinkage:	NPD
Compressive strength:	NPD
Coefficient of thermal expansion:	NPD
Abrasion resistance:	weight loss < 3000 mg
Cross cut:	NPD
Permeability to CO_2:	s_D > 50 m
Water vapour permeability:	class III
Capillary absorption and permeability to water:	w < 0.1 kg/(m² $h^{0.5}$)
Thermal compatibility:	≥ 2 (1.5) N/mm² *
Resistance to thermal shock:	NPD
Chemical resistance:	NPD
Resistance to severe chemical attack:	reduction in hardness < 50 %
Crack bridging ability:	B 4.2 (-20 °C)
Impact resistance:	class I
Adhesion strength by pull off test:	≥ 1.5 (1.0) N/mm² *
Reaction to fire:	class B_{fl}-s1
Skid resistance:	class III
Artificial weathering:	NPD
Antistatic behaviour:	NPD
Adhesion on wet concrete:	NPD
Release of dangerous substances:	NPD

* The value in parentheses is the smallest permitted value per reading

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Synthetic resin screed for use internally in buildings

Reaction to fire:	E_{fl}
Release of corrosive substances:	SR
Water permeability:	NPD
Wear resistance:	≤ A 9
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4
Impact sound insulation:	NPD
Sound absorption:	NPD
Heat insulation:	NPD
Chemical resistance:	NPD