



Epoxy Primer PF

Pigmented primer and base layer

Colour	Availability		
	Quantity per pallet		
	Size / Quantity	12 kg	30 kg
	Type of container	Tin bucket	Tin bucket
	Container code	13	31
	Art. no.		
silver grey	1224	■	■
light grey	1225	■	■
neutral	1226	■	■

Application rate See application examples

Range of use

- Pigmented primer, levelling layer
- Base layer for blinded covers
- Primer in the systems Remmers Deck OS 8 and OS 11a-II and OS 11b-II
- Primer in the system Remmers Deck OS 14 in accordance with the maintenance guideline (2016 draft)

Property profile

- Can be subjected to mechanical loads
- Excellent adhesion on concrete and cement screed
- Contains no plasticisers, nonylphenols or alkylphenols
- Physiologically harmless once fully cured
- Suitable for use as primer without broadcasting underneath Remmers PU and EU coatings

Characteristic data of the product

■ **On delivery**

	Component A	Component B	Mixture
Density (20 °C)	1.62 g/cm ³	1.05 g/cm ³	1.50 g/cm ³
Viscosity (25 °C)	2800 mPa s	100 mPa s	900 mPa s

■ **Once fully cured**

Flexural tensile strength	> 23 N/mm ² *
Compressive strength	> 71 N/mm ² *

* Epoxy resin mortar 1 : 5 with standard sand

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



Certificates

- Crack bridging A2
- Rear moisture penetration (230 days)
- Wear test
- Fire test (classification) Remmers Deck OS 8
- Declaration of concordance

Possible system products

- Epoxy TX Color (6810)
- Epoxy SIC Color (6840)
- Epoxy Color Top (6191)

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.

When used in the OS 8 system, the tensile strength of the substrate must be at least 2.0 N/mm² on average (smallest individual value of at least 1.5 N/mm²).

Test report available on bond behaviour in conjunction with rear moisture penetration according to DIN EN 13578 in the OS 8 system.

Substrates must have reached their moisture balance and must also be protected against moisture penetration from the reverse side, including during use.

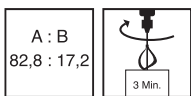
Concrete	max. 4 m% moisture
Cement screed	max. 4 m% moisture

■ Substrate preparation

Prepare the substrate by suitable means, e.g. steel shot blasting, so that it meets the specifications listed 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)	82.8 : 17.2 parts by weight
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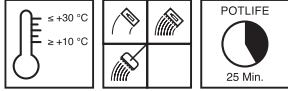
In the case of filled systems, slowly stir the corresponding quantity of filler into the reaction resin mixture and mix thoroughly.

As soon as the mixture is ready to use, apply it in full to the prepared surface and spread it using suitable tools.



Directions

For professional users only!



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +10 °C to max. +30 °C.
 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. 25 minutes

■ **Waiting time (+20 °C)**

Waiting times between coats should be at least 12 hours and max. 48 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, mechanical loading after 3 days, full loading capacity after 7 days.
 At low temperatures: foot traffic after 2 days (+8 °C).

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.
 Additional priming is required on highly absorbent or open-pored substrates.

Application rate	approx. 0.40 - 0.60 kg/m ² binder (depending on the substrate)
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■ **Levelling layer/scratch coat**

Pour the material – filled up to 1 : 0.5 parts by weight – onto the prepared surface, spread using a suitable trowel, and roll over again with a spiked roller if necessary.

Application rate	Per mm layer thickness: approx. 1.20 kg/m ² binder and 0.60 kg/m ² Selectmix 01/03
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■ **Base layer for blinded coatings**

Pour the material – filled up to 1 : 0.5 parts by weight – onto the prepared surface, spread using a suitable toothed trowel/notched spreader, and roll over again with a spiked roller if necessary.
 Then liberally broadcast fire-dried quartz sand over the base layer while it is still fresh.
 Remove any loose, surplus sand after hardening.

Application rate	min. 0.8 - 1.0 kg/m ² (plus filler)
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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.
 From experience, slightly opaque colours (e.g. yellow, red or orange, etc.) have a varnishing effect. Please consider this when choosing and assembling systems.
 When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.
 Abrasive mechanical loads leave traces of wear.
 Epoxy resins are generally not colourfast when exposed to UV light or weather.
 Observe the corresponding test certificate for OS 8 systems.
 Observe the instructions for use of the corresponding Remmers Deck OS 11 systems.
 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.

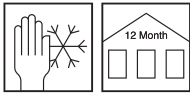
Tools / Cleaning



Smoothing trowel, toothed trowel, toothed squeegee, rubber scraper, epoxy roller, spiked roller, mixing equipment, positive mixer if necessary

More detailed information can be found in the Remmers Tool Programme.
 Clean tools, equipment and splashed material immediately while fresh with V 101 Thinner.
 Take suitable protective and waste disposal measures when cleaning.

Storage / Shelf life



If stored unopened in the original container and kept cool, dry and protected from frost, min. 12 months (component A)/min. 24 months (component B).

Safety data / Regulations

For professional users only!
 For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet and the brochure entitled "Epoxy Resins in the Construction Industry and the Environment", issued by Deutsche Bauchemie e.V. (2nd edition 2009).

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.



Declaration of performance

➤ **Declaration of performance**



Declaration of conformity



1119, 1658

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GBIII 069_3

EN 1504-2:2004

1224

Surface protection products – Coating

Abrasion resistance:	weight loss < 3000 mg
Permeability to CO ₂ :	s _D > 50 m
Water vapour permeability:	class III
Capillary absorption and permeability to water:	w < 0.1 kg/(m ² h ^{0.5})
Thermal compatibility:	≥ 1.5 (1.0) N/mm ² *
Resistance to severe chemical attack:	reduction in hardness < 50 %
Crack bridging ability:	OS 11a-II B 4.2 (-20 °C) OS 11b-II B 3.2 (-20 °C)
Impact resistance:	Class I
Adhesion strength by pull off test:	≥ 1.5 (1.0) N/mm ² *
Reaction to fire:	OS 8 and OS 11b-II class B _{fl} -s1 OS 11a-II class C _{fl} -s1
Skid resistance:	class III

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

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GBIII 069_3

EN 13813:2002

1224

Synthetic resin screed for use internally in buildings

Reaction to fire:	E _{fl}
Release of corrosive substances:	SR
Wear resistance:	≤ AR 1
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.