



Epoxy UV 100 New

Transparent epoxy resin with a low tendency to yellow

Availability			
Quantity per pallet	120		
Packaging unit	2,5 kg	10 kg	25 kg
Type of container	Multi-chamber bag	Tin bucket	Tin bucket
Container code	03	11	26
Art. no.			
6344	■	■	■

Application rate See application examples

- Range of use**
- Binder for decorative pebble covers
 - Topcoat for blinded covers
 - Fixative coat for flake coatings that completely saturate the surface
 - Transparent coating

- Property profile**
- Little tendency to yellow
 - Can be subjected to mechanical loads
 - Contains no plasticisers, nonylphenols or alkylphenols

Characteristic data of the product	Component A	Component B	Mixture
Density (20 °C)	1.12 g/cm ³	1.01 g/cm ³	1.08 g/cm ³
Viscosity (25 °C)	750 mPa s	450 mPa s	615 mPa s

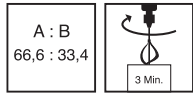
The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

- Certificates**
- [Nachhaltigkeitsdatenblatt](#)
 - [Konkordanzklärung](#)

- 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.
 A suitable Remmers epoxy primer or epoxy scratch coat must always be used.
 Refer to the current Technical Data Sheet for detailed information on the single products.



Production of the mixture



■ Multi-chamber bag

Open the outer packaging along the perforation and remove the transparent multi-chamber bag. Remove the dividing strip on the bag. Then mix the two components together by kneading the contents of the bag intensively (approx. 60 seconds).

■ Combi-container

Add the entire quantity of the hardener (component B) to the basic 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)	66,6 : 33,4 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 material, surroundings and substrate: min +12 °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. 30 minutes

■ Waiting time (+20 °C)

Waiting times between the application of each coat: min. 16 hours and max. 48 hours.

If conditions on site require longer waiting times, the surface must be slightly sanded (until it turns white) before the following application.

■ Drying time (+20 °C)

Foot traffic after 1 day, mechanical loads after 3 days and full loading capacity after 7 days.

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

Application examples

■ Synthetic resin mortar

Pour the material which has been filled up to 1:12.5 parts by weight onto the primed surface and distribute, compact and level with a smoothing trowel

Application rate	Per mm thick layer: approx. 0.16 kg/m ² of binder and 2.0 kg/m ² of Ceramix 20/30
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■ **Transparent coating**

Pour the material on the suitable and previously prepared surface and distribute with suitable means, such as a toothed squeegee/trowel.
Afterwards roll over with a (metal) spiked roller.
When completely cured, seal e.g. with PUR Top M Plus.
Alternative substrates or system elements must be tested with regard to their suitability.

Application rate	approx. 1.5 kg/m ² of binder
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■ **Fixation layer for flake coatings**

Pour the material on the previously prepared surface and distribute with a suitable rubber squeegee or smoothing trowel and then roll over crosswise with an epoxy roller.
To obtain a smooth surface apply the material several times. After complete curing, apply the sealant.

Application rate	approx. 0.3 kg/m ² of binder (depending on the blinding material used)
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■ **Top sealant**

Pour the material on the previously prepared surface and distribute with a suitable rubber squeegee or smoothing trowel and then roll over crosswise with an epoxy roller.

Application rate	approx. 0.5 - 0.7 kg/m ² of binder (depending on the blinding material used)
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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). Slight deviations from these values may arise if the product is worked with on site.
When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.
Exposure to vehicles with metal or polyamide tyres as well as dynamic concentrated loads can cause faster wearing of the coating.
Abrasive mechanical loads leave traces of wear.
Low temperatures during application can reduce the resistance to water. If the surfaces are exposed to water, executed the coating only at air and substrate temperatures of over 12 °C.
Epoxy resins are generally not colourfast when exposed to UV light or weather.
UV resistance can be improved with a suitable sealant.
Not suitable for application in outdoor areas.
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.

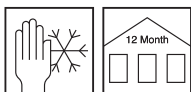
Tools / Cleaning



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

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



	<p>For professional users only!</p> <p>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).</p>
Personal protective equipment	This information can be obtained from the current Safety Data Sheets and/or the relevant professional associations.
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): 500 g/l (2010) This product contains < 500 g/l VOC.
Declaration of performance	> Leistungserklärung

CE marking



Remmers GmbH

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16
GBIII 126
EN 13813:2002
6344

Synthetic resin screed / coating for use indoors

reaction to fire:	E _{fl}
Release of corrosive substances:	SR
Abrasion 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.