PUR Color ZS

Floating layer, sealing layer and wearing layer in Remmers Deck OS systems

	Availability	
	Quantity per pallet	
	Size / Quantity	**25 kg**
	Type of container	Tin bucket
	Container code	26
	Art. no.	
	6826	■

Application rate

See application examples

Range of use

- Crack-bridging intermediate layer in the Remmers Deck OS 11a - II system and Remmers Deck OS 10 M

Property profile

- Crack bridging
- Solvent-free
- Highly elastic

Characteristic data of the product

- On delivery

	Component A	Component B	Mixture
Density (20 °C)	1.46 g/cm³	1.04 g/cm³	1.14 g/cm³
Viscosity (25 °C)	500 mPa s	4000 mPa s	3600 mPa s

- Once fully cured

Shore A (DIN EN ISO 868)	68
Tensile strength	9 N/mm²
Elongation at break (DIN 53504 S2)	600%

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
- Fire test (classification) Remmers Deck OS 11a - II (EP topcoat)
- Fire test (classification) Remmers Deck OS 11a - II (PU topcoat)
- Fire test (classification) Remmers Deck OS 11b - II

Possible system products

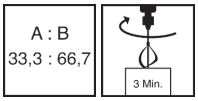
- Epoxy Primer PF (1224)
- PUR Color VS (6056)
- Epoxy Color Top (6191)

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.
Suitable substrates are surfaces prepared using e.g. Epoxy Primer PF.
Apply the crack-bridging layer no later than 24 hours after the primer.

Production of the mixture



- Combi-container

Stir component A thoroughly and add the full amount to hardener component B.
Mix thoroughly with a slow-speed electric mixer
(approx. 300 - 400 rpm).
Pour the mixture into a separate container and mix again thoroughly.
Insufficient mixing is indicated by streaks forming.

Mixing ratio	33.3 : 66.7 parts by weight

Unfilled intermediate and sealing layer:
Apply the mixture without fillers (see application information).
As soon as the mixture is ready to use, apply all of it to the prepared surface and spread it using a suitable tool.

Filled interspersion and wearing layer:
Add the correct quantity of filler (depending on the specific application) to the reactive resin while stirring slowly and mix thoroughly (see application information).
Mixing ratio 1 : 0.3 parts by weight, filled with quartz sand (grain size 0.1 - 0.3 mm).
As soon as the mixture is ready to use, apply all of it to the prepared surface and spread it using a suitable tool.
Scatter an excess of quartz sand (grain size 0.3 - 0.8 mm) into the wearing layer while it is still wet.

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. 30 minutes

- Waiting time (+20 °C)

Waiting time between coat applications min. 12 hours and max. 36 hours.
If the waiting time is exceeded or unfavourable weather conditions (e.g. rain) are present, apply PUR Primer S (6062) and sand if necessary before applying the wearing layer.

- Drying time (+20 °C)

Foot traffic after 12 - 24 hours, mechanical loading after 3 days, full loading capacity after 7 days.

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

Application examples

- Coating

Pour the material onto the prepared substrate and then distribute using a suitable tool, e.g. a notched trowel or notched scraper.

Application rate	approx. 1.7-1.8 kg/m² binder (1.5 mm; OS 11a) approx. 2.3-2.4 kg/m² binder (2 mm; OS 10 M, OS 14)

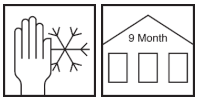
- Flow coating/blinded layer

Once filler has been added in a ratio of up to 1 : 0.3 parts by weight, pour the material onto the prepared surface and spread using a suitable toothed trowel.
Go over the material again with a spiked roller if necessary.
Broadcast an excess of fire-dried quartz sand (grain size 0.3 - 0.8 mm) over the base layer while it is still wet.

Application rate	min. 2.1 kg/m² binder (OS 11b) and 0.63 kg/m² quartz sand (grain size 0.1 - 0.3 mm)

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.
Protect the coating against direct contact with water for the first 24 hours after application to prevent blistering.
The additional material needed to attain the minimum layer thicknesses (wearing layer) and cover the surface texture must be calculated.
Not suitable for recreation rooms.
Abrasive mechanical loads leave traces of wear.
Observe the application information for the Remmers Deck OS 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 	More detailed information can be found in the Remmers Tool Programme. Clean tools and remove any contamination immediately after use and while fresh using Thinner V 103. Take suitable protective and waste disposal measures when cleaning.
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 9 months.
Safety data / Regulations	For professional users only! Further information concerning safety during transport, storage and handling as well as on disposal and ecology can be found in the latest Safety Data Sheet.
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): max. 500 g/l (2010). This product contains < 500 g/l VOC.
Declaration of performance	› Declaration of performance

Declaration of conformity

CE UKCA

1119, 1658 (CE); 0836 (UKCA)

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18 (CE); 22 (UKCA)
GBIII 122_2
EN 1504-2:2004
6826

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/(m² $h^{0.5}$)
Thermal compatibility:	≥ 1.5 (1.0) N/mm² *
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/mm² *
Reaction to fire:	OS 11a-II class C_{fl}-s1
	OS 11b-II class B_{fl}-s1
Skid resistance:	class III

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

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GBIII 122_2
EN 13813:2002
6826

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