PUA Hybrid OS pro

Spray-on waterproofing in Remmers Deck OS 10 pro systems

Type/Name	Availability		
	Quantity per pallet	4	4
	Size / Quantity	**200 kg**	**215 kg**
	Type of container	Drum	Drum
	Container code	69	69
	Art. no.		
Component A	6051	■	
Component B	6052		■

Application rate

2.1 – 2.2 kg/m² (for a layer thickness of 2 mm)

Range of use

- Spray-on waterproofing in the system Remmers Deck OS 10 pro

Property profile

- Can only be applied by machine
- Highly elastic
- Crack bridging
- Tough
- Cures at low temperatures
- Very short time before ready for next coat

Characteristic data of the product

- On delivery

	Component A	Component B
Density (20 °C)	1.0 g/cm³	1.1 g/cm³
Viscosity (20 °C)	approx. 1300 mPa s	approx. 2500 mPa s

- Once fully cured

Shore A (DIN EN ISO 868)	approx. 88 (after 5 days at 23 °C)
Elongation at break (DIN 53504 S2)	approx. 300%

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

Possible system products

- Epoxy Primer OS (6057)
- PUR Color VS OS pro (6053)
- Epoxy Top OS (6076)
- PUA Color WL OS pro (6049)
- PUR Color Top OS (6055)
- PUR Primer S (6062)

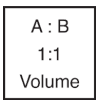
Preparation

- 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 substrate must be dry.
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 include e.g. surfaces prepared using Epoxy Primer OS.
If the time is exceeded or the weather conditions are unfavourable (dew, driving rain), use Remmers PUR Primer S (6062).

- Substrate preparation
Anchoring measures must be implemented in edge regions.
Before spraying on the waterproofing, use sheeting, paper or cardboard to protect the workspace.
In windy conditions, suitable measures must be implemented to protect the environment from spray mist.

Production of the mixture

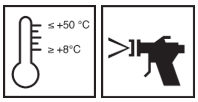


- Mixing
Stir component A until homogeneous immediately before use.

Mixing ratio (A : B)	1 : 1 parts by volume 1 : 1.08 parts by weight

Bring component A and component B to a temperature of at least 20 °C, then connect to the stirring and dispensing apparatus of a suitable 2K high-pressure spraying device (e.g. GRACO reactor E-XP 2).

Directions



For professional users only!

- Conditions for use
Temperature of the material, air and substrate: from min. +8 °C to max. +50 °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)
< 15 seconds, touch-dry after approx. 2 minutes

- Waiting time (+20 °C)
Subsequent coating within 2 hours.
If the product is to be applied in several coats, this can be done within 2 hours without further pre-treatment.
In the case of longer waiting times, a coat of PUR Primer S must be applied as a bonding layer and the first coat of PUA Hybrid OS pro must be sanded down if necessary.
The specified processing times must be followed.

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

Machine parameters

Pressure at the spray head:	180 - 200 bar
Material temperature at the spray head:	approx. 75 - 80 °C

Apply the components using a suitable spray head (counter-current injection principle).
Apply multiple layers of the material wet-on-wet until the recommended coating thickness of at least 2 mm is reached.
Do not deviate from the stated mixing ratio.
The mixer must be in perfect condition in order to ensure the quality of the coating. Service the mixer with the utmost care.

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.
Due to the short reaction time, the coating operation must be well planned and prepared.
Use protective measures to prevent contamination due to spray mist.

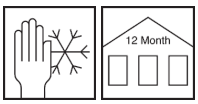
Use suitable respiratory protection!
Observe the application information for the Remmers Deck OS systems.
Further notes on working, system construction and maintenance of the listed products can be found in the latest Technical Data Sheets and the Remmers system recommendations.

Tools / Cleaning

Suitable 2K high-pressure spraying equipment

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 12 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	Respiratory protection with at least an A/P2 combination filter must be worn during spraying, together with safety goggles. Wear suitable protective gloves and clothing.
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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GBIII 063_3
EN 1504-2:2004
6051

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:	≤ AR 1
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4
Impact sound insulation:	NPD
Sound absorption:	NPD
Heat insulation:	NPD
Chemical resistance:	NPD