

TECHNICAL DATA SHEET

pleyers. WB800®

color gloss

2-C PU-top coat

product description:

pleyers. WB800® colour is a white coloured, solvent-free, moisture-curing, lightfast, low-viscosity, tintable and waterborne 2-component PU topcoat with a glossy surface. The product can be used individually or in combination with the porviva® system and the products porfil. PLUS X® and porfil. ECO® products.

Fields of applications:

pleyers. WB800® colour gloss is used as a highly scratch-resistant and easy-to-clean sealant on concrete, screed or with porfil. PLUS X® or porfil. ECO® primed concrete or screed surfaces, as well as any type of porviva® surfaces in interior and exterior areas. In addition, the UV and weather resistance is increased.

product properties and information:

pleyers. WB800® colour gloss is low viscosity and therefore has good capillary activity and good adhesion to non-absorbent substrates. It is easy to apply and easy to clean, so that even stubborn dirt can be removed with suitable cleaning agents. After complete curing, pleyers. WB800® colour gloss is characterised by high mechanical strength. In the system, the surface scratch resistance is improved enormously. In addition, pleyers. WB800® colour gloss is resistant to plasticisers.

More information:

package size in kg: 10,00 kg (Comp. A 8,34 kg + Comp. B 1,66 kg)

package Content in liters: Comp. A 8,10 Liter, Comp. B 1,44 Liter

mixing ratio: by weight Comp. A 5 : Comp. B 1

packing art: Comp. A 10 L Kanister, Comp. B 2,5 L Kanister

packaging type: Canister with UN approval type UN 3H1/X19/250/180205

good/dangerous goods: Comp. A: UN 3082, class 9; Packaging group III

VOC-Content g/L: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexanedioic acid, polymer with 2-oxiranylmethyl neodecanoate)

paletting: delivery condition: Comp. A < 140, Comp. B < 0
600 kg per palett (60x Comp. A und B)

paletting: PU10

GISCODE: gloss: X1U1-802M-R000-2CWC

UFI CODE: store closed original packaging in a dry place at +15°C to

storability: +25°C. Avoid direct sunlight. The material is susceptible to frost!

shelf life: Shelf life approx. 9 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

Other: Delivery only for commercial or industrial use.

following product information can be required by E-Mail or phone:

- Technical datasheet
- safety datasheet
- porviva® cleaning and maintenance instruction



PRODUCT-VARIANTS:

- PURE WHITE GLOSS
- OTHER COLOURS ON REQUEST

AREAS OF APPLICATION:

- AIRPORTS
- INDUSTRIAL FLOORING
- COMMERCIAL PREMISES
- OFFICE SPACE
- PRIVATE HOUSING
- PARKING DECKS, UNDERGROUND PARKING LOTS ETC.

SUBFLOORS:

- CONCRETE
- SCREED
- CEMENTITIOUS FILLERS
- PORVIVA® SYSTEM SURFACES

PROPERTIES:

- SOLVENT FREE
- PERMANENT
- LOW MATERIAL CONSUMPTION
- EASY TO CLEAN
- EASY TO REPAIR
- PLASTICIZER-RESISTANCE (MIGRATION)

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**consumption:**ca. 0,250 – 0,300 kg/ m²

in 2 working steps, varies depending on the type of substrate.

Mixing ratio:

125 parts Comp. A / 25 parts Comp. B

Substrate condition:

The surface must be checked for load-bearing capacity before starting work. The concrete surface must be freed from impurities, sludge, dust, oil and other separating substances. This can be done by blasting or grinding with subsequent cleaning.

The surface preparation determines the grip, roughness and absorbency of the surface. In the case of highly compacted substrates (e.g. vacuum concrete or hard screeds), mechanical substrate pre-treatment is absolutely necessary to create a fine-grip, rough surface. Only on such a surface can the material build up sufficient adhesion.

In the case of magnesia-bonded substrates, the wax or oil-soaked layer must be removed completely. After substrate preparation, the peel strength of the substrate must be at least 1.5 N/mm² (smallest single value 1.0 N/mm²).

To achieve an earlier recoatability, the substrate should be treated with **porfil. PLUS X®** against residual moisture. At the same time, the required protection against rising damp is achieved.

In all other respects, the sections of the requirements for the substrate prior to coating application in the relevant guidelines apply.

Mix:

pleyers. WB800® colour gloss is supplied in the correct ratio of component A (resin) and component B (hardener).

Component B must be completely emptied into the container of component A. To achieve a homogeneous consistency and intensive mixing, mix the two components thoroughly with a slow-running agitator at approx. 300 rpm. The bottom and rim areas of the mixing vessel must also be covered.

The mixing process must be carried out until the material is homogeneous and free of streaks, but for at least 3 minutes. Do not process the material from the delivery container afterwards, but sift it and transfer it to a clean container and mix again for approx. 1 minute. The temperature of the two components should be between 15 °C and 25 °C when mixing.

Processing instructions:

After mixing, **pleyers. WB800® colour gloss** from a paint tray with a run-off surface by rolling in a criss-cross pattern. The best results are achieved with a special solvent-resistant lint-free paint roller with 6-7 mm pile. The application can also be done by spraying after consultation.

Connecting areas should be finished after 8-10 minutes at the latest, otherwise roller marks may become visible. If the recoating window is exceeded, application on old coatings or for repairs, sanding of the surface is necessary to create sufficient intermediate adhesion.

The consumption is between 125 and 150 g/m² per application. This can vary depending on the surface structure. To improve the appearance and increase the mechanical and chemical properties (observe transition times), a second working cycle can be carried out. The consumption here is approx. 125 and 150 g/m². The maximum consumption during application must be strictly adhered to, as otherwise film disturbances in the form of partial foaming may occur.

In case of increased demands on abrasion and scratch resistance, a second sealing operation is recommended.

In addition to the ambient temperature, the temperature of the substrate must also be taken into account. Chemical reactions are generally delayed at low temperatures. This prolongs the processing, recoatability and walkability times. At the same time, the consumption per unit area may increase due to increasing viscosity. At high temperatures, the chemical reactions are accelerated, so that the working times given below are shortened accordingly.

The relative humidity must also be taken into account. For the complete curing of **pleyers. WB800® colour gloss**, the average temperature of the substrate must not fall below the lowest processing or object temperature. Ensure that the material is protected from direct exposure to water for approx. 24 hours (23 °C/50 % r. h.) after application. Within this time, the effect of water on the surface can lead to foaming of the sealant. In all other respects, the relevant guidelines for the application of reactive resins apply.

Physiological behaviour:

In the cured state, **pleyers. WB800® colour gloss** (glossy) is physiologically harmless.

players. WB800®

color gloss (glänzend)

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Protective measures and disposal:

When processing the material, the essential physical, safety-related, toxicological and ecological data must be taken from the substance-specific safety data sheet, as well as information on transport and disposal. The regulations of the professional associations for handling polyurethanes, isocyanates and hazardous materials must be observed.

Note:

In order to preserve the optical properties, matt sealers usually have to be cleaned more frequently than glossy sealers due to their surface texture. Depending on the load, the cycle of basic cleaning and preservation is also significantly shorter than with a glossy surface.

Technical Data*

Binder base	Polyurethan		
Density (DIN 53217)	transparent	g/cm³	1,04
Solid volume	%	ca. 57	
Viscosity	at 25 °C (transparent)	Maize	295
Mixing ratio		Weight parts	A 5 : B 1
Verarbeitungszeit (20,00-kg-Gebinde)	bei 20 °C	h	ca. 3
Überarbeitbarkeit	bei 20 °C	h	min. 24 max. 48
Trocknung bei 23 °C, 50 % relative Luftfeuchte, 150 µm Nassfilmdicke	klebfrei grifffest	h h	ca. 1 ca. 6-8
Durchgehärtet/chem. belastbar	bei 20 °C	d	7
Objekt- und Verarbeitungstemperaturen	°C	min. 10 max. 30	
max. zulässige relative Luftfeuchtigkeit	%	min. 40 max. 85	
Farbton (ca.)	transparent matt, transparent glänzend		
Glanzgrad/Oberfläche	matt	glänzend	
Packungsgröße (Standard)	Gebindeeinheit	10,00 kg	(andere Größen auf Anfrage)
Verbrauch	i.d.R. 100-200 g/m² pro Arbeitsgang		
Werkzeugreinigung	mit entsprechenden Reinigern		
Gefahrenkennzeichnung	siehe aktuelle Sicherheitsdatenblätter		
Abrieb mit Taber-Abraser	ASTM D 4060	mg	ca. 37
Pendelhärte nach König	DIN EN ISO 1522	s	ca. 100
Errechneter VOC-Gehalt (einschl. H ₂ O)	Lieferzustand: Komp. A < 140 g/L, Komp. B < 0 g/L		

* Diese Angaben sind Richtwerte. Die Werte dienen nicht zur Erstellung von Spezifikationen.

Die vorstehenden Angaben, insbesondere die Vorschläge für Verarbeitung und Verwendung dieses Produktes, beruhen auf unseren Kenntnissen und Erfahrungen im Normalfall. Sie bleiben jedoch unverbindlich. Aufgrund der unterschiedlichen Materialien, Untergründe und abweichenden Arbeitsbedingungen kann eine Gewährleistung eines Arbeitsergebnisses oder eine Haftung, aus welchem Rechtsverhältnis auch immer, weder aus diesen Hinweisen, noch aus einer mündlichen Beratung begründet werden, es sei denn, dass uns insoweit Vorsatz oder grobe Fahrlässigkeit zur Last fällt. Hierbei hat der Anwender nachzuweisen, dass er schriftlich alle Kenntnisse, die zur sachgemäßen und erfolgversprechenden Beurteilung erforderlich sind, rechtzeitig und vollständig zu unserer Kenntnis übermittelt hat. Schutzrechte Dritter sind zu beachten. Im Übrigen gelten unsere jeweiligen Verkaufs- und Lieferbedingungen. Es gilt das jeweils neueste Technische Merkblatt, das von uns angefordert werden sollte unter Tel: +49 (2407) 568 303-0 oder per E-Mail: office@porviva.com.