

players. WB800®

transparent matt/ gloss 2-C PU-top coat / maintenance

product description:

players. WB800® transparent matt/ gloss is a solvent-free, water based, UV stable, low viscosity, 2 component, PU Top-Coat, it can be supplied in transparent matt or gloss. The product can be used on its own or in combination with **porfil.® PLUS X**, **porfil.® ECO** as well as the with the **porviva® system**.

Fields of applications:

players. WB800® transparent is used as a scratch resistant and easy to clean top coat on primed concrete or screed or with **porfil.® PLUS X** / **porfil.® ECO** as wells as any kind of **porviva®-surface**, for interior and exterior use. The weathering and UV stability of the flooring increase. The product can be used as a durable care treatment.

product properties and information:

Due to its low viscosity, **players. WB800® transparent** has good capillary activity and good adhesion on nonabsorbent surfaces. The material is easy to use and easy to clean; it makes it possible to get rid of hard to clean residues by use of suitable solvents. A fully cured **players. WB800® transparent** exhibits excellent mechanical resistance, resulting in increased scratch resistance of the flooring. Furthermore **players. WB800® transparent** is resistant to plasticizer (migration).

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:	Kanister with UN approval type UN 3H1/X19/250/180205
good/ dangerous goods:	Comp. A: UN 3082, class 9; Packaging group III ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexanedioic acid, polymer with 2-oxiranylmethyl neodecanoate) Comp. B: Non dangerous goods in the sense of the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR). delivery condition: Comp. A < 140, Comp. B < 0
VOC-Content g/L):	
paletting:	600 kg per palett (60x Comp. A und B)
GISCODE:	PU10
UFI CODE:	matt: EXT1-R0D7-E00H-D1A9 gloss: XIU1-802M-R000-2CWC
storability:	Well-closed and unmixed containers must be stored in a dry and air-conditioned place in the temperature range from 15 up to 23 °C. Avoid direct sunlight and storage temperatures below the specified limits. The material is at risk of 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.

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

- technical datasheet
- safety datasheet
- **porviva®** cleaning- and maintenance instruction

PRODUCT-VARIANTS:

- TRANSPARENT MATT
- TRANSPARENT GLOSS

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. 0,200 – 0,300 kg/ m²

2 working steps, varies according to the type of substrate.

Mixing ratio by weight:

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, slurry, 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 aggregate screeds), mechanical substrate pretreatment is essential to produce 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-impregnated 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.

Mixing:

players. WB800® is packed in right mixing ratio, in two separate cans, comp. A is the main component and comp. B is the hardener. The B component should be emptied fully into the can of component A. In order to achieve a homogeneous consistency and intensive mixing, both components must be mixed with an **electric mixer at 300 rpm**. The material at the bottom and the sides of the can should also be mixed. As a result, a homogeneous mixture should be achieved at the end of **minimum 3 minute mixing**. The material must be sieved. It should not be used directly from the original container, but should be **transferred to a clean container and mixed for three more minutes**. The temperature of the two components **should be within 15 °C - 25 °C**.

Processing information:

After mixing, the application of players. WB800® from a paint tray with a run-off surface by rolling in a **crisscross 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 rolling marks may become visible. If the recoating window is **exceeded**, application on old coatings or in case of repairs, **sanding of the surface** is necessary to obtain sufficient intermediate adhesion.

Consumption is between 125 and 150 g/m² per application. This may vary depending on the surface structure. To improve the appearance and increase the mechanical and chemical properties (observe transition times), a second working pass can be applied. **Consumption here is approx. 125 and 150 g/m²**. It is essential to **observe the maximum consumption** during application, otherwise film disturbances in the form of partial foaming may occur.

In the case of increased requirements for 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 processing times given below are reduced accordingly.

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

Physiological behavior:

In the cured state, players. WB800® transparent (matt or glossy) is physiologically safe.

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Protective measures and disposal:

When processing the material, the essential physical, safety, 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 employers' liability insurance associations for handling polyurethanes, isocyanates and hazardous materials must be observed.

Note:

In order to preserve the optical properties, matte sealers must generally be cleaned more frequently than glossy sealers due to their surface properties. Depending on the load, the cycle of basic cleaning and preservation is also significantly shorter than for a glossy surface.

Technical Data*

Binder base	Polyurethan		
Density (DIN 53217)	transparent	g/cm ³	1,04
Solid body volume		%	ca. 57
Viscosity	at 25 °C (transparent)	Corn	295
Mixing ratio		parts	A 5 : B 1
Processing time (20,00 kg container)	at 20 °C	h	ca. 3
Reworkability	at 20 °C	h	min. 24 max. 48
Drying at 23 °C, 50 % relative humidity, 150 µm wet film thickness	non-stick	h	ca. 1
	anti-skid	h	ca. 6-8
Through hardened/chem. resistant	at 20 °C	d	7
Object and processing temperatures		°C	min. 10 max. 30
Max. permissible relative humidity		%	min. 40 max. 85
Shade (approx.)	transparent matt, transparent gloss		
Gloss level/surface	matt	gloss	
Pack size (standard)	Container unit	10,00 kg	(other sizes on request)
Consumption	usually 100-250 g/m ² per working cycle		
Tool cleaning	with appropriate cleaners		
Hazard labeling	see current safety data sheets		
Abrasion with taber-abraser	ASTM D 4060	mg	ca. 37
Pendulum hardness according to König	DIN EN ISO 1522	s	ca. 100
Calculated VOC content (incl. H ₂ O)	Delivery condition : Comp. A < 140 g/L, Comp. B < 0 g/L		

* These data are approximate values. The values do not serve to create specifications.

The above information, in particular the suggestions for processing and use of this product, are based on our knowledge and experience under normal circumstances. However, they remain non-binding. Due to the different materials, substrates and deviating working conditions, a warranty of a work result or a liability, from whatever legal relationship, can neither be justified from these instructions, nor from a verbal consultation, unless we are charged with intent or gross negligence in this respect. In this respect, the user must prove that he has provided us in writing with all the knowledge required for a proper and promising assessment in good time and in full. Industrial property rights of third parties are to be observed. In all other respects, our respective terms and conditions of sale and delivery shall apply. The latest technical data sheet shall apply, which should be requested from us by phone: +49 (2407) 568 303-0 or by e-mail: office@porviva.com.

