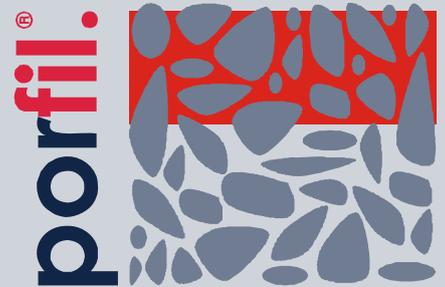


... is a solvent-free, water based, UV stable, low viscosity, 2 component, semi mat PU Top-Coat, it can be supplied in transparent or coloured versions.



Characteristics:

Due to its low viscosity, pleyers. WB 800 has good capillary activity and good adhesion on non absorbent 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. Depending on the usage, it is resistant to fresh water, sea water and waste water, also resistant to mineral oil, grease and fuels, as well as basic and diluted acids, salt solutions. (please check the relevant list, special test can be realised upon request). Has excellent weathering properties and is resistant to UV radiation. A fully cured pleyers pleyers. WB 800 exhibits excellent mechanical resistance, resulting in increased scratch resistance of the flooring.

Application:

pleyers. WB 800 is used as a scratch resistant and easy to clean top coat on primed concrete or screed, synthetic self levelling floorings (PU, Epoxy...) for interior and exterior use. The weathering and UV stability of the flooring will be increased.

Preparation of subfloors

Before starting to work, the quality of the concrete or screed should be tested for its suitability. The surface should be cleaned from dirt, dust, oil and such materials that might act as adhesion barrier. Such cleaning can be achieved by blasting or sanding. Surface preparation ensures adhesion, roughness and absorption. High density floorings (such as vacuum concrete or hard resin screeds) a mechanical surface preparation must be realised in order to achieve fine roughened surface. Only on such surface can the material build up sufficient adhesion. Magnesia containing surface's wax or oil saturated top layer should be removed. After the preparation of the surface, the average cohesion value of the concrete should be min. 1,5 N/mm² (1,0 N/mm² to be the smallest) The humidity of the surface should be below 4% - or any kind of a porfil. Primer is used - in case of anhydride screeds, the humidity value should be below 1%. Use of suitable primers against the humidity in the concrete enables early application of the coating. The temperature of the flooring should be 3°C above the dew point. The surface to be coated must be secured from negative water pressure or any kind of a porfil. Primer is used.

Mixing

pleyers. WB 800 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 U/min. 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 3 minute mixing. The material should not be used directly from the original container. It should be transferred to a clean container and mixed for 1 minute. The mixed material should be within 15 °C-25° C.

Application

After mixing of pleyers. WB 800, it can be applied by roller in diagonal movement or can be spread by rubber squeegee on previously prepared surface. Best results are obtained with parquet rollers produced for water based lacquers. It can also be applied by suitable spraying techniques. Roller lines should be overworked within 8-10 minutes, otherwise lines might be formed. In case re-coat window time has been exceeded, or application on old coating is realised, or in case of repair jobs, the surface should be sanded for better adhesion between two coats. The consumption in each layer is 100-150 g/m², depending on surface roughness. For better aesthetic appearance and increased mechanical and chemical value, a second layer can be applied at a consumption of 100-150 g/m². Consumption values should be observed closely; otherwise partial foaming will cause surface deformation. For a higher abrasion and scratch resistance, second layer must be applied.

Besides the relative humidity, the surface temperature must also be observed. At low temperatures, the chemical reaction time becomes longer. Besides the application time, re-coating time and ready for traffic times get longer. Meanwhile the viscosity of the product becomes higher, resulting in higher consumption per square meter. In case of high temperatures, the reaction becomes shorter as well as the times stated above. The relative atmospheric humidity should also be observed.

For pleyers. WB 800 to cure fully, the surface temperature should not fall below the exterior temperature. Care should be observed, after application, the coating should be protected from water for 24 hours (23°C, 50% r.h.) Contact of the water within this period might cause foaming on the surface of the coating. In general, rules observed for resin chemistry, should also be observed with this product.

In order to maintain the optical appearance of the surface, mat coatings, due to their surface properties, must be more often cleaned as the gloss types. Also in hygienic areas, depending on load of traffic, cleaning procedures must be repeated more frequently than glossy coatings.

Storage/Protection/Waste disposal

Sealed containers to be stored dry and between 15-25°C. Protect from direct sun light. In this case shelf life is 6 months. Cured **pleyers. WB 800** is not hazardous or toxic. During the application, the physical data, safety rules, toxicological and ecological values, as well as transport and waste disposal regulations should be observed from relevant technical data sheets and MSDS. All rules and regulations regarding use of polyurethane and isocyanate should be followed.

Information contained herein is based on our knowledge and experience and does not release the consumer from conducting his own comprehensive tests. A legally binding guarantee, also regarding possible rights of third parties, is expressly denied. Our products are sold according to our General Terms of Sales and Delivery.

Other:

Delivery only for commercial or industrial use.

Up-to-date: 21.11.2007

Current technical datasheet: www.porfil.com

Technical Data*				
Binder	polyurethane			
Density (DIN 53217)	transparent coloured	g/cm ³ g/cm ³	1,04 depends on colour	
Solid Content		%	appr. 57	
Viscosity	25 °C (transparent) 23 °C (coloured)	m·Pas m·Pas	295 depends on colour	
Mixing Ratio		by weight	5 : 1	
Pot-life (5-kg)	20 °C	h	appr. 6	
Re-coating time	20 °C	h	min. 24	max. 48
Drying, 23 °C, 50 % humidity, 150 µm wet film	touch-dry open to traffic	h h	appr. 1 appr. 6-8	
Curing	20 °C	d	7	
Application temperatures		C	min. 5	max. 30
Application relative humidity		%	min 40	max. 85
Colour	transparent, ca. RAL colours upon request			
Appearance	semi-matt			
Packaging (standard)	unit	kg	0,98 and 5,00	
Consumption	80-150 g/m ² per application step			
Cleaning	with suitable cleaner			
R and S closes	see latest MSDS			
Taber-Abrasion test	ASTM D 4060	mg	appr. 37	
Pendel hardness (König)	DIN EN ISO 1522	s	appr. 100	
VOC-Content (incl. H ₂ O)		g/l	appr. 19	
* These data are given best to our knowledge and can not be used as specification				

All aforementioned indications, especially proposals on applying and using this product are based on our knowledge and experience of normal cases and are not binding. Due to different materials, undergrounds and varying working conditions a guarantee of treatment quality can not be given. Disregarding the legal relationship, no liability results from either these information or any consultation, unless we make ourselves guilty of gross negligence or malice aforethought. In this case, it is necessary that the applicant has informed us in written and in due time on all information and skills, which are relevant for a promising evaluation. Third parties' rights have to be safeguarded. Further, our respective Conditions of Sale and Delivery are valid as well as our current Technical Data Sheet, which should be requested.