

Aliphatic polyurethane top-coat, UV stable domestic pedestrian traffic areas

PRODUCT

The **weberfloor 230 PU** is a pigmented, color- and UV-stable, highly permanent elastic, cold applied and cold curing, one component aliphatic polyurethane coating, used as a top-coat for protection over concrete surfaces and exposed, polyurethane waterproofing coatings.

weberfloor 230 PU cures by reaction with ground and air moisture over a unique moisture triggered chemical reaction. Protects very efficiently, especially if a dark final color is desired.

SCOPE OF USE

- Coating directly over concrete
- Waterproofing of Roofs
- Waterproofing of balconies, terraces and verandas
- Waterproofing of pedestrian decks and walkways
- Protection of polyurethane foam insulation
- Used over the **weberdry 350 PU** and **weberdry 360 PU** on surfaces, with domestic pedestrian traffic (e.g. roofs, terraces, residential walkways) that require a glossy, color-stable and non-chalking finish.

ADVANTAGES

- Simple application (roller or airless spray).
- Increases the abrasion and wear resistance of the waterproofing membrane underneath.
- UV and Color stable.
- Gives a glossy and easy-to-clean surface.
- Does not show the chalking effect of aromatic polyurethane coatings.
- Resistant to water, heat and frost.
- Maintains its mechanical properties over a temperature span of 40 °C to +90 °C.
- The waterproofed surface can be walked on (domestic pedestrian traffic).

CHARACTERISTICS

Composition	Pigmented Aliphatic moisture triggered Polyurethane polymer. Solvent based
Colors	White, light grey, red & other RAL colors on demand
Resistance to Water Pressure DIN EN 1928	No Leak
Elongation at break DIN EN ISO 527	289%
Tensile strength DIN EN ISO 52	3,72 N/mm ²



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
5 Kg	5 Kg	5 Kg	5 Kg	5 Kg	5 Kg	5 Kg	5 Kg
10 Kg	10 Kg	10 Kg	10 Kg	10 Kg	10 Kg	10 Kg	10 Kg
20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg

Elongation at break after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m ²)	372 % DIN EN ISO 527
Tensile strength after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m ²)	2000h 2,68 N/mm ² DIN EN ISO 527
Gloss retention after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m ²)	Good DIN 67530
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m ²)	No chalking observed DIN EN ISO 4628-6
Adhesion to the WP ASTM D 903 350PU	>2 N/mm ²
Hardness (Shore A Scale) ASTM D 2240 (15°)	65
Solar Reflectance (SR) (white color) ASTM E903-96	93.5%
UV accelerated ageing, in the presence of moisture Passed - Hydrolysis (5% KOH, 7days cycle)	No significant changes EOTA TR-010
Service Temperature -40 °C to +90 °C	Inhouse Lab
Tack Free Time	1-3 hours

Light Pedestrian Traffic Time	12 hours
Final Curing time	7 days
Conditions: 20°C,	50% RH
Chemical Proper ties good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	

INSTRUCTIONS FOR USE

SURFACE PREPARATION

CONCRETE SURFACES

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane.

Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25 MPa, cohesive bond strength at least 1.5 MPa. New concrete structures need to dry for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed. Do not wash surface with water!

Apply weber.dry prime 310 PU (0,2kg/m²). After 2-3 hours (not later than 6 hours) apply the first layer of **weberfloor 230 PU** (0,15kg/m²). After 3-4 hours (not later than 6 hours) apply the second layer of weber.floor 230 PU (0,15kg/m²).

WATERPROOFING MEMBRANE

See relevant product Technical Data Sheet for application method.

Stir **weberfloor 230 PU** well before using. Apply the **weberfloor 230 PU** by roller or airless spray in one or two layers. Allow 3-6 hours (not more than 36 hours) to cure, between the two layers.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Warning: The **weberfloor 230 PU** is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface.

Warning: If on the surface where the floortop system is applied, there are areas with ponding water, they should be cleaned on regular basis to avoid biological and microbial attack.

CONSUMPTION

120-250 gr/m² in one or two layers. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

STORAGE

Pails should be stored in dry and cool rooms for up to 9 months.

Protect the material against moisture and direct sunlight. Storage temperature: 5°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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