

Two component polyurethane coating

PRODUCT

weberfloor 220 PU is a two component, aliphatic iso-cyanate cured high build polyurethane finish with excellent resistance to UV and atmospheric exposure. The fully cured coating has excellent resistance to splash of mineral and vegetable oils, white spirit, paraffins and aliphatic petroleum products. **weberfloor 220 PU** has good adhesion on various surfaces: cementitious, metal, wooden etc. **weberfloor 220 PU** has an excellent water and chemical resistance suitable for interior and exterior applications, excellent color retention and non-chalking properties, and very good abrasion resistance.

SCOPE OF USE

- Parking decks
- Bridge decks
- Industrial floors
- Food industry floors
- Warehouses
- Service stations
- Chemical plants
- Metal treatment plants
- Machinery service areas

CHARACTERISTICS

Color / dry film	Limited
Finish / dry film	Smooth / Matt
Volume solids (ASTM D2697)	55 ± 2%
Specific gravity	1.30 ± 0.05 (mixed)
Mixing ratio (by volume)	Base:Hardener / 4:1
Pot life @ 30°C (100 ml)	4 hours (reduced at higher temperature) Note: Material may gel at elevated temperature.
Drying time@ 30°C	
Touch dry	1 – 2 hours
overcoat	8 – 10 hours
Fully cured	7 days
Flash point	25°C
Flexibility	Good
Chemical resistance	Excellent
Water resistance	Excellent
Abrasion resistance	Very good

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Careful surface preparation is essential for optimum finishing and durability. Maximum moisture content should not exceed 5%. New



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
4 Lit	4 Lit	4 Lit	4 Lit	4 Lit	4 Lit	4 Lit	4 Lit
20 Lit	20 Lit	20 Lit	20 Lit	20 Lit	20 Lit	20 Lit	20 Lit

concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils or organic substances need to be removed by a grinding machine.

Possible surface irregularities need to be smoothed. Any loose surface pieces need to be thoroughly removed. The surface should then be roughened using a dust-free "grit-blasting" machine.

The substrate should be clean, dry and sound, free of any dust or contamination which may harmfully affect the adhesion of the primer layer. Prime the substrate with **weberfloor eposil** before coating with **weberfloor 220 PU**.

On metal surface, an abrasive sandblast is required to make the metal absolutely free from loose particles, mil scales and dead metals. Surface should be clean and sound before painting.

WARNING: Do not wash surface with water!

PRODUCT PREPARATION

weberfloor 220 PU must be well mixed to ensure proper chemical reaction. After mixing, apply immediately. Cleaner and Thinner: Contact company for advice.

PRODUCT APPLICATION

weberfloor 220 PU is applied using a roller, brush or an airless sprayer.

For very porous surfaces two coats may be required to seal effectively.

For non-slip surfaces, fine sand must be broadcasted on the second coat while it is still wet. The surface is allowed to cure for at least 10 hours and finally topped with a very thin coat.

weberfloor 220 PU may be walked on after 12 hours. The full resistance is obtained within 7 days approximately.

CONSUMPTION

Theoretical spreading range
13.7 – 7.8 M²/LTR

Recommended DFT range (dry film thickness)
40 – 70 Microns/Coat

Recommended WFT range (wet film thickness)
73 – 128 Microns/Coat

STORAGE

18 months after manufacturing date in its original packing non open and in dry cool area.

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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