

Mono-component polyurethane floor coating

PRODUCT

weberfloor 210 PU is a colored, mono component, abrasion resistant, medium duty polyurethane, thin-layer floor coating.

Cures by reaction with ground and air moisture.

SCOPE OF USE

weberfloor 210 PU is mainly used on medium duty industrial floors.

Due to its long lasting unchangeable properties, it is widely used for:

- Car repair workshops
- Car parking areas
- Warehouses
- Storage rooms
- Factories
- Animal breeding farms
- Food preparation-packaging or storage factories
- Fresh juice factories
- Cold storage rooms (Freezers), etc.

weberfloor 210 PU is also used as an acid spillage resistant coating, and basement sealing against ascending humidity for floors or walls.

It can also be used as a protection film against dirt, chemicals, oils, grease, water and other staining liquids.

ADVANTAGES

- Simple application (mono component)
- Highly abrasion resistant
- Decorative
- Prevents absorption of liquids or dirt
- Stops the creation of dust
- Chemical resistant
- Low cost

CHARACTERISTICS

Color	Grey, yellow and red and others
Composition	Pigmented Polyurethane pre-polymer, solvent based
Density- ASTM D 1475	1.2 ± 0.1
Resistance to water pressure- DIN 1048	No leak at 7 atm.
Adhesion to concrete ASTM D 903	2.2 ± 0.2 kg / cm ² (concrete failure)
Hardness (shore A scale). ASTM D 2240	> 95 ± 5
Solids Content	60 ± 2 %
Application Temperature	5°C to 35°C



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
1 Kg	1 Kg	1 Kg	1 Kg	1 Kg	1 Kg	1 Kg	1 Kg
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

Track Free Time	2 – 3 hours
Light trafficking	12 hours
Final Curing Time	4 days

Water	+
Potassium hydroxide 20%	+
Sodium hydroxide 20%	±
Ammonia 10%	+
Salt 20%	+
Domestic Detergents	+
Diesel oil	+
Hydrochloric acid 10%	+
Phosphoric acid 10%	+
Sulfuric acid 10%	+
Citric acid 10%	+
Ethanol 10%	+
Dichlormethane	-
N-Methyl pyrrolidon (brake fluid)	-

Stable: + Unstable: -
Stable for a short period: ±

APPLICABLE STANDARDS

ASTM D 1475, DIN 1048, ASTM D 903
ASTM D 2240

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Careful surface preparation is essential for optimum finishing and durability.

Maximum moisture content should not exceed 5%. New 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.

WARNING: Do not wash surface with water!

Repair of cracks

Clean cracks and hairline cracks, of dust, residue or other contamination. Fill all cracks with **weberrep epo 412 CRY** epoxy putty. The next day smoothen the putty surface with a sand paper or a mechanical grinder.

ABSORBENT SURFACES

Prime absorbent surfaces, like concrete, cement screed and wood with **weberfloor eposil plus** by using a roller, brush or a spray gun.

After 8 hours (not later than 24 hours) apply the first layer of the colored **weberfloor 210 PU** coating.

Allow 2-3 hours for the coating to cure (not more than 4 hours) and apply the second layer of the colored **weberfloor 210 PU**.

NON-ABSORBENT SURFACES

Prime non-absorbent surfaces like metal, terrazzo, mosaic, power-floated concrete (helicopter leveled) and ceramic tiles with **weber.floor eposil** by using a roller, or a brush.

After 8 hours (not later than 4 days) apply the first layer, of the coloured **weberfloor 210 PU** coating.

Allow 2-3 hours for the coating to cure (not more than 4 hours) and apply the second layer of the coloured **weberfloor 210 PU**.

Stir well before using. For best results, the temperature during application and cure should be between 5°C and 35°C. Lower temperatures retard curing while high temperatures speed up curing.

High humidity may affect the final finish.

ANTI-SLIP FINISH

In order to achieve an anti-slip effect, sprinkle evenly silica sand on the first layer of **weberfloor 210 PU** while still wet.

When the layer is dry, brush off any excess aggregate and continue with the application of the second layer of the **weberfloor 210 PU**.

CONSUMPTION

300 g/m² depending on the surface finishing.

STORAGE

9 months after manufacturing date, in its original packaging non open, protected against moisture and direct sunlight.

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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