

Weberfloor Acrylic Urethane Coating

Water-based, hybrid polyurethane protective floor coating

Weberfloor Acrylic Urethane Coating is a water-based, hybrid polyurethane protective floor coating that cures into a durable, trafficable, skid-resistant surface, firmly adhering to properly prepared surfaces. It is available in anti-skid coating.



EXCELLENT
SGBP 6088



PRODUCT BENEFITS



WATER BASED



HEAVY DUTY TRAFFIC



VARIOUS COLOURS

USES

Weberfloor Acrylic Urethane Coating is for concrete surfaces, asphaltic pavements, and metal surfaces. It exhibits resistance against light vehicular and fork-lift traffic loads. The coated surfaces can be repaired or recoated to restore color and surface quality, making it suitable for use on new floors, and for maintenance, repair, and renovation of existing floors.

ADVANTAGES

- Low odour and VOC
- Excellent wet skid resistance
- Withstand vehicular traffic loads
- Hard-wearing and stain-resistant
- Rust resistant, corrosion protection for metal surfaces

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Brown, Grey, Oxide (Red, Green, Yellow)
Appearance	Viscous, thixotropic liquid
Viscosity @ 25°C (Brookfield RVT)	Approx. < 7000 cPs
Service Temperature	10 to 70 °C
Specific Gravity	1.35 - 1.40
Drying Time hours	Touch dry: Approx. 30-45mins, Through dry: Approx. 4
Adhesion to Substrate (Adapted ASTM D4541)	> 1.3 N/mm ²
Tensile Strength (ASTM D412: 1998)	> 3.0 MPa
Elongation (ASTM D412: 1998)	< 90 %
Resistance to Stains (ISO 10545-14)	Class 4 or Class 5 Cleanability
Shrinkage/Visual cracks (ASTM C531)	Shrinkage/Expansion ± 0.05%, no visible cracks
Abrasion Resistance (BS EN 13892-4)	Max wear depth ≤ 0.6mm (After thermal aging)
Slip Resistance (SS 485)	Max wear depth ≤ 0.5mm (After 28 days) 40 - 50 BPN

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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PROCEDURE & APPLICATION



Substrate Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Thoroughly clean and prepare the substrate using high pressure water-jet or high suction vacuum to remove dirt, contaminants, old loose coatings and unstable substrate materials before application. Oil contaminated substrates must be degreased or topped with a new screed and adequately aged before the product is applied. Allow water-jet cleaned surfaces to dry out thoroughly before application.



Application

• Concrete

If primer is required, apply a thin layer of Weberdry ES 133 to the surface using a brush or roller. Allow the primer coat to dry completely. Apply two coats of Weberfloor Acrylic Urethane Coating with light and even pressure. Allow at least 1 hour for curing between coats. Apply the second coat in the perpendicular direction to the first coat. For foot traffic, allow at least 4 hours to cure, and for vehicular traffic, allow 24 hours.

• Metal Surface

Apply a thin layer of Weberprim ES 122 to the metal surface using a brush or roller, and allow the primer coat to dry thoroughly. Apply two coats of Weberfloor Acrylic Urethane Coating with light and even pressure, ensuring a minimum of 1 hour of curing between coats. Apply the second coat in the perpendicular direction to the first coat. For corners or joints, embed a required fiberglass mesh into the wet product to strengthen these areas. Allow the coated surface to cure and dry for at least 24 hours before use.

CONSUMPTION

Approx. 0.10 to 0.12 kg per m² per coat.

PRECAUTION

Weberfloor Acrylic Urethane Coating is versatile and well-suited for various floor coating applications, including ramps, access ways, turning areas, etc. Users should assess and consider the combined stress levels exerted on the coating system in such areas, taking into account factors such as high axle loads, low vehicle speeds, high shearing/turning stresses at inclined sections, and the cumulative damage potential, before application and usage.

STORAGE & PACKING

Weberfloor Acrylic Urethane Coating is available in 25 kg pail.
Shelf life of 18 months if unopened, and kept in dry and cool conditions.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '26)

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