

weberprim EP 701 (2K) Clear



weberprim EP 701 (2K) Clear is a hybridized epoxy polymer primer enhanced with methoxysilane to improve adhesion on both wet and dry surfaces. With moisture tolerance up to 5%, it serves as a universal primer for most weberfloor systems, making it ideal for priming concrete substrates and cement screeds.

Technical Data Sheet

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TECHNICAL DATA

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| Color | Clear, Gloss |
| Volume Solid | 90% |
| Dry Film Thickness | 100 microns – 150 microns |
| Coverage | 0.18 kg/m ² for 100 microns |
| SG-Mix | ±1.35 gr/cm ³ |
| Flash point | Base : 53°C ; Hardener: 48°C |
| Mixing ratio of multi-components products | Base : Hardener : Extender = 3:1 (by weight) |
| Adhesion Strength (ASTM D-4541) | 1.76 N/mm ² (concrete failure) @7 Days 2.19 N/mm ² (concrete failure) @28 Days |
| Overcoating Intervals | On temperature 25°C, Minimum 12 Hours and Maximum 1 Months ; On temperature 32°C, Minimum 8 Hours |
| Drying time | Touch Dry : 25°C : 2 Hours 32°C : 1 Hours Through Dry : 25oC : 14 Hours 32°C : 8 Hours Final Cure : 25°C : 1 Days |
| Pot Life | 32°C : 90 Minutes |

Packaging

- A:B = 3.75 kgs: 1.25 kgs
- A:B = 15.0 kgs: 5 kgs

Handling and Storage

- The product must be stored in accordance with national regulation.
- weberprim EP 701 (2K) Clear is photosensitive. The product must not be exposed to direct sunlight or full spectrum fluorescent lighting.
- Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from the source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

Shelf life

At least 12 months when stored cool and dry

Substrate of Application

weberprim EP 701 (2K) Clear is suitable for priming concrete surfaces prior to the application of weberfloor EP Hybrid TC 653/903/103 or Weberfloor EP 723 TC (2K) based floor toppings.

Product advantages

- Low Viscosity
- Improves the adhesion of epoxy floor toppings
- Solvent Less
- Moisture Tolerance

APPLICATION METHOD

1. Substrate Application

New Concrete Floors

- Concrete shall be clean, dry and free of all contaminant such as dirt, oil grease etc. and concrete structurally sound and sufficient compressive strength min. 30 N/mm² with a min. pull off strength of 1.5 N/mm².
- Should be at least 14 days old before proceeding with weberprim EP 701 (2K) Clear application.
- Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical grinding. On smaller areas thorough etching may be considered. After etching the floor, it should be thoroughly washed with clean water and then let to dry.
- For best results weberprim recommends mechanical preparation techniques. (For example, metal grinding or using diamond/resin pad).<

Old Concrete Floor

- Concrete shall be clean, dry and free of all contaminant such as dirt, oil grease etc. and concrete structurally sound and sufficient compressive strength min. 30 N/mm² with a min. pull off strength of 1.5 N/mm²
- Mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present
- These may well have been absorbed several millimeters deep into the concrete
- A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

2. Mixing and Blending Process

- Add the entire contents of the hardener tin to the base and mix thoroughly for 3 mins. until homogeneous, using a slow speed drill (200 - 400 rpm) fitted with a suitable mixing pad

3. Application Process

- Once mixed, the primer should be applied immediately as a thin, continuous film to the clean, prepared surface.
- Work the primer into the surface using a notched or metal trowel, followed by a spiked roller. Avoid excess application and puddling.
- On porous surfaces, weberprim EP 701 (2K) Clear may be absorbed rapidly. For applications with weberfloor EP 723 TC (2K), Hybrid 903 TC (2K), or ASP 103 TC (2K), allow the primer to dry for a minimum of 8 hours or overnight.

Constraints / Pay attention

Keep away from heat, sparks, and open flames. Avoid inhalation of vapors and contact with skin or eyes. Keep the container tightly closed and store in a cool, well-ventilated area when not in use. Ensure proper ventilation and use appropriate protective equipment during mixing, application, and drying to maintain vapor levels within safe limits and prevent toxic exposure. Special attention to ventilation

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and safety measures is required in confined or enclosed spaces, such as tank interiors and buildings.

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