

weberfloor Hardcrete Décor Series



weberfloor Hardcrete Decor Series is a self-leveling flooring solution made from a cement-rich, aluminate-based hydraulic polymer. It sets quickly at a thickness of 5 mm to 5 cm, offering excellent compressive and flexural strength, strong substrate adhesion, and a natural finish. This seamless decorative system combines hydraulic polymer with marble, colored glass, granite, or other washed and dried aggregates, offering a variety of finishes, including natural, salt-and-pepper, and terrazzo looks.

Technical Data Sheet

Issued on : 2024 July 29

TECHNICAL DATA

Color	Beige to Grey Color. With gloss level 40% - 70%
Volume Solid	100 % by weight
Application Thickness	0.5 cm - 5 cm
Consumption	Weberfloor HC Decor 2303: ±20 Kg Set for 1 cm Thickness Weberfloor HC Decor 2313: ±20 Kg Set for 1 cm Thickness Weberfloor HC Decor 2323: ±20-25 Kg Set for 1 cm Thickness
SG-Mix	±20 gr/ml
Compressive Strength	40 MPa equal to K450 - K500 (14 Days)
Flexural Strength	±12 MPa (14 Days)
Abrasive Resistance	±30 mg (ASTM D4060)
Adhesion Strength on Concrete	300 to 400 psi concrete (concrete fails) (ASTM D7234)
Water absorption	0.01% (ASTM D570)
Pot Life	±20 Minutes @30°C
Slip Resistance	> 0.6 Passes ADA (ASTM D 2047)

Packaging

Weberfloor HC Decor 2303 (Natural Looks): 24 Kg/Set

- Part A : Part B = 20 Kg : 4 Kg
- Weberfloor HC Decor 2313 (Salt and Pepper): 34 Kg/Set
- Part A : Part B : Part C = 20 Kg : 4 Kg : 10 Kg
- Weberfloor HC Decor 2323 (Terrazzo Looks): 34 Kg/Set
- Part A : Part B : Part C = 20 Kg : 4 Kg : 10 Kg

Handling and Storage

The product must be stored in compliance with national regulations. It should be kept in a dry, cool, and well-ventilated space, away

from heat sources and ignition. Containers must be tightly sealed to maintain product integrity. Handle with care, and ensure the product is stirred well before use.

Product advantages

- Suitable for indoor and outdoor applications
- Offers long-term durability
- Ensures rapid strength development
- Utilizes a low-alkaline hydraulic binder
- Ideal for repairing existing concrete
- Provides excellent adhesion to subsequent floor coatings

APPLICATION METHOD

1. Substrate Preparation

- Ensure the concrete is clean, dry, structurally sound (min. 30 N/mm² compressive, 1.5 N/mm² pull-off strength), and free of contaminants. Weber recommends mechanical preparation, such as grinding or using diamond pads.

New Concrete

- New concrete must cure for at least 28 days before application. Remove laitance and deposits with light grit blasting or mechanical grinding. For smaller areas, thorough etching may suffice.

Old Concrete

- Mechanical cleaning is recommended for old concrete, especially when heavily contaminated by oil, grease, or existing coatings, which may penetrate several millimeters deep. Ensure all contamination is removed, and clean the surface thoroughly of dust and loose debris to achieve strong adhesion.

2. Mixing

- Combine Part A and Part B of weberfloor HC Décor 2303/2313/2323 in a container. Mix for 2-3 minutes using a slow-speed drill (200-400 rpm) with a suitable paddle until homogeneous.
- For weberfloor HC Décor 2313/2323, add Part C and mix for an additional 2-3 minutes until fully blended.
- Prepare only the amount that can be applied within 15-20 minutes. Do not add water, lime, cement, gypsum, or other binders.

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ISO 9001:2015 Certified

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ISO 45001:2018 Certified



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3. Application Process

Priming

- Apply 0.2 kg/m² of Weberprim Hardcrete 5211 or Weberprim EP Hydro 5702 (2K) as a primer or scratch coat in a thin, continuous film to the clean, prepared surface.
- Work the primer into the surface using a notched or metal trowel.
- Allow Weberprim EP Hydro 5702 (2K) to dry overnight before applying Weberfloor HC Décor 2303/2313/2323.
- Application should be carried out by experienced or recommended contractors.

Body Coat

- Pour the mixed weberfloor HC Décor 2303/2313/2323 onto the primed substrate and spread it evenly with a spreader or rubber rake. Ensure the coat is smooth and level.
- Allow it to dry for 24 hours, then apply 0.1 kg/m² of weberprim Hardcrete 5211 to aid the curing process.

Polishing

- For weberfloor HC Décor 2313/2323, perform dry polishing with a metal grinder followed by a diamond-tipped grinder after 3 days.
- Patch any exposed pores using a mixture of weberprim Hardcrete 5211 and Portland or white cement in a 1:5 ratio.

Burnishing

- Finish the weberfloor HC Décor 2303/2313/2323 with a protective layer of weberfloor Polish Sealer 5523 (Shiny) or weberfloor Hard-sealer 5513 (Matt) for enhanced durability.

Constraints / Pay attention

- Do not add water to the Weberfloor HC Décor series mix.
- Avoid adding lime, cement, gypsum, or other binders to the mix.
- For aggregates with particle sizes of 0.5–1.0 cm, the standard ratio applies. For particles over 1.5 cm, consumption may increase—preliminary testing is recommended.
- Compact the mix immediately after spreading using a flat trowel or power trowel.

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