

AplicaFLOOR CEMCRETE

Polyurethane and aggregate system formulated for the production of continuous floor coverings



Ready-to-use product



Waterproof, solvent-free



Excellent mechanical resistance

DESCRIPTION

AplicaFLOOR CEMCRETE is a polyurethane and aggregate system formulated for the production of continuous floor

USE AND APPLICATION

AplicaFLOOR CEMCRETE is used as a levelling screed. For laboratory areas, aesthetic areas, laboratory floors, shops and areas requiring maximum cleanliness and decontamination. It is resistant to agents such as plant and food fungicides and bactericides or sterilising products.

PRESENTATION

Mixing ratio - 25 kg pre-dosed kit (Component D optional)

- IComp. A: 2.5 kg
- IComp. B: 2.5 kg
- IComp. C: 20 kg
- IComp. D: 0.25 kg - Coloured paste (optional)

STORAGE

Store all parts of the AplicaFLOOR CEMCRETE product under cover, avoiding direct contact with the ground, in a dry place and at a temperature between 5°C and 25°C. This is especially important in the case of Comp. C to prevent it from hardening or curdling and becoming unusable. Keep all parts away from frost, including during transportation. Exposure to direct sunlight or other sources of intense heat will cause significant uneven temperatures in the stored material. The product should not be used until the temperature has dropped to a uniform temperature, otherwise inconsistencies may occur at the time of application. In closed containers, the shelf life of the product is 6 months. Health and safety precaution. The product safety and data sheets must be read and understood.

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PROPERTIES AND ADVANTAGES

- Innovative Presentation Systems.
- Comp. A: Polyol emulsion.
- Comp. B: Polyisocyanate hardener. Comp. C: Mixture of filler and reactive additives. Comp. D: Coloured paste (optional).
- AplicaFLOOR CEMCRETE systems are supplied pre-dosed for maximum performance.
- Presented as a STANDARD KIT and easy to prepare using the internal buckets and pre-dosed bag.
- Avoids overstocking.
- Guarantees the correct implementation and final result of the hardened product.
- Avoids levelling changes due to excess or lack of aggregates.
- Facilitates correct application, avoiding errors due to external agents such as aggregate humidity, type of aggregate, absorption or inadequate granulometry
- Levelling and waterproof coating, with excellent mechanical resistance, high adhesion and resistance to various chemical products.
- Solvent-free.
- Very high hardness (Shore D: 80)
- Extraordinary self-levelling capacity (6.1 mm).

APPLICATION TECHNICAL DATA

Preparing the mix.

Pour the liquid components (Comp. A and Comp. B) into the mixing bucket and stir for 30 seconds. Make sure that the containers are completely emptied before mixing. When the liquid resin mixture is uniform, add half of Comp. C and mix for about one minute, until the first half is fully blended with the resin. Then repeat the same by adding the other half of Comp. C

Warning

If you are pigmenting the mixture, add Comp. D (the coloured paste) to Comp. A before mixing with Comp. B and shake for 30 seconds until it is uniformly blended. It is important that the pigment be added in the recommended amounts to avoid pigment changes.

Remarks

For best mixing results, we recommend using a mixer with a dispersion disc. The ideal application and ambient temperatures range between 12°C and 25°C.

IMPORTANT. Have the proper material prepared for the application of the product to ensure the correct finish.

Application

PRIMING: Apply primer uniformly with a suitable roller, making sure that there are no dry or uncoated areas. Repeat the application if necessary once the previous coat is dry.

*For other media, please contact our technical department.

AplicaFLOOR CEMCRETE: Once the product is fully mixed without lumps, take it to the spreading area immediately and apply a layer using a rubber trowel, triangular toothed trowel (with a tooth size greater than the final thickness) or smooth trowel, according to the finishing requirements. After 15 minutes of applying the mixture, use a spiked roller to improve the finish.

Approx. consumption

Between 9 and 11 kg/m², depending on the system and the condition of the substrate.

Mixture life

20 minutes at 20°C. Mix only as much product as it is possible to apply during that period of time.

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SUBSTRATE REQUIREMENTS

- Pre-priming with our primer is essential for working on concrete and mortars; for other type of surfaces consult our Technical Department.
- The surface must be clean and dry, free of dust, grease and crumbly areas.
- Pre-treatment by shot blasting, milling, diamond grinding or sanding (depending on the quality of the substrate) is recommended to ensure the correct adherence of the concrete.
- Concrete or cement mortar: it must have a good mechanical resistance without a humidity level higher than 4%, and the substrate temperature must be between 10-35°C.
- Do not apply while the relative humidity is above 80%. The temperature of the substrate should be at least 3°C above the dew point.
- Concrete substrates must have a minimum compressive strength of 15 N/mm² and a tensile strength of 1.5 N/mm.

Characteristics COMPONENT A COMPONENT B COMPONENT C Unit
 Specific weight (25°C) 0.9±0.05 1.23±0.02 - g/cm³
 Flash point > 200 > 200 -°C

TECHNICAL SPECIFICATIONS

FINAL PRODUCT PROPERTIES	
Colour	A+B+C: Amber
Standard colour paste <small>(this is the colour of the paste - when added to the mixture the shade may vary)</small>	Grey 7001 - White 9003. Other RAL colours on request
Mixing ratio	100:100:900 w/w A/B/C
Hardness (Shore scale)	80 D (DIN 53505)
Wear resistance	10 µm (UNE-EN 13892-4:2003)
Abrasion resistance	49 mg (Taber CS17, 1,000 rpm, 1 kg)
Impact resistance	> 14.7 Nm IR4
Compression resistance	> 45 Nmm ² at 28 days
Pot life (25°C/200g)	20 min
Chemical resistance	High against acids, alkalis, solvent
Slipperiness	UNE-ENV 12633 Gradable Rd 1-2-3
Specific gravity	±1.5 kg/dm ³
Pedestrian traffic	10-16 hours
Light traffic	1 day
Maximum load	2 days
Presentation	25 kg pre-dosed kits (2.5 kg of comp. A + 2.5 kg of comp. B+ 20 kg of comp. C). Optional colour paste.

NOTE

The recommendations for use are based on our knowledge and experience. The technical data have been obtained under normal laboratory conditions and may vary depending on the conditions of installation. As the conditions of application are beyond our control, the information in this sheet does not imply any liability on the part of the company.