

DATA SHEET



Product: CONCRET FLOOR

Ref.: FCR

DESCRIPTION

Eco Cement based coating with fine grain, ready to be used with the simple addition of purified water and mechanical agitation. Suitable for indoor and outdoor floors.

USES




Achieve a continuous coating without joints, both horizontal as vertical surfaces, outdoor and indoor areas. Thanks to its high adherence it is applicable on any material (cement, plaster, plasterboard, tiles, marble or wood) in bathrooms, residences, hotels, shops and leisure premises, and even furniture. Ideal for both new works and renovations without removing the existing surface. Available in different finishes and application techniques, with a range of 120 combinable colours to create thousands of colours. It allows the creation of designs with shapes, prints and logos.

PREPARATION

- Surface must be completely clean, dry, dust-free, with no loose or broken parts; with a humidity level below 3%.
- The powder component must be mixed with water in a mixing ratio of 27% by volume with mixer on low revolution until a homogeneous mixture. In case of use of colors, should be incorporate the all desired pigment into the mixture and then mix until completely dilute the pigment in the mixture.
- This Kit is a finish coat. In case of ceramic or porous / irregular surfaces, a levelling or mortar base should be previously applied.

ADVANTAGES

- Quick drying and easy maintenance.
- Apt for execution of continuous works
- High resistance
- Solvent free
- Applicable on existing surfaces
- Combinable with different materials
- Does not require joints
- Stain resistant

YIELD (FCR22+6 L WATER)		FORMATS			PRESENTATION
m ² per layer		CONCRET FLOOR (Component A)			  
Surfaces	approx. m ²	Ref.	Format	WATER	
Plasterboard, MDF, Gypsum	38 m ²	FCR-2,75	1,8 Kg. Concret Floor	0,75l. approx.	
Mortar	36 m ²	FCR-5,5	3,75 Kg. Concret Floor	1,5 l. approx.	
Base Baseflex	34 m ²	FCR-11	7,5 Kg. Concret Floor	3 l. approx.	
Base Ground	32 m ²	FCR-22	15 Kg. Concret Floor	6 l. approx.	

TECHNICAL SPECIFICATIONS (internal quality tests)					
	CONCRET WALL		WATER		
Appearance:	Powder		Liquid		
Colour:	White		Colorless		
Density (kg/l):	1,120		1,00		
Mixing ratio :	1 volume		27% of vol. approx.		
Dangerous material: NOT classified as ADR/RID, IMDG, ICAO/IATA			Density of the mixture: 1,920 kg/l		
Drying time between layers: 3-4 h at 20°C 60% relative humidity			mixture pH: 8-9		
Expiration: 1 year from the production date on its packaging			Usage time of the mixture: 1-2 h at 20°C 60% relative humidity		
Compressive strength:			Temperature of application: Minimum 5°C and maximum 35°C		
1 day	7 days	28 days	Waiting time before sealing: 12-24 h at 20°C 60% relative humidity		
11 N/mm²	19 N/mm²	27,5 N/mm²	Accessibility once sealed: 48 h at 20°C 60% relative humidity		
			Suitable for underfloor heating: Yes (minimum 4cm slabs.)		
			Storage: Minimum temperature of 0°C and max of 40°C		
			Flexural strength:		
			1 day	7 days	28 days
			4 N/mm²	7,5 N/mm²	10,5 N/mm²

TECHNICAL TEST (A+B) (tested product: PU finish)		
UNE-EN 13813:2003		
Bond strength, UNE-EN 13892-8:2003	Ceramic surface	1.7 N/mm2 (break support)
	Fibrocement Surface	1.3 N/mm2 (break support)
	MDF Surface	0.6 N/mm2 (break support)
Surface hardness, UNE-EN- 13892-6:2003	72 N/mm ²	
Determination of liquid water transmission (permeability), UNE-EN 1062-3:1999	0.01 Kg./ m ² h 0.5	
Determination of flexural properties, UNE-EN ISO 178:2003	0.15 KN./mm ²	
Determination of unpolished slip / skid resistance value (USRV). UNE-ENV 12633:2003, Annex A	29	
Impact Resistance, UNE-EN ISO 6272:2004. Drop height at which the first cracks and diameter produced at this stage are observed	>14.7 Nm At 1500mm WITHOUT defects. Crater diameter: 10.1mm.	
Frictional wear, Böhme, UNE-EN 13892-3:2003	11.2cm ³ / 50cm ²	
UNE EN 13501-1:2007		
Fire resistance behaviour after application of finish	Bfl – S1	
UNE-ENV 12633:2003		
Slip resistance after application of finish	Rd: CLASS 3 – Value USRV: 47	

Recommendations and technical data shown in this data sheet are based on laboratory tests and our experience in practice.
We waive any liability for consequences resulting from improper use. Date: August 2016 Version: 1.0

