

DATA SHEET



Product: BIOCAL FINE 1K

Ref.: BCL F – 1K 20

DESCRIPTION

Fine granulometry coating, lime based Ready to mix with water by mechanical means. Suitable for interior or exterior vertical surfaces.

USES

A continuous and seamless coating is achieved. Thanks to its high adhesion it is applicable on any support (cement, plaster, plasterboard, tiles, marble or wood), in bathrooms, residences, hotels, commercial or leisure premises, even furniture. Optimal both for the execution of new works and renovations without having to remove the existing support. Available in different finishes and application techniques, with a standard chart of 120 combinable colors creating thousands of colors. It allows the creation of designs with shapes, stamps and logos.

PREPARATION

-The support must be completely clean, dry, free of dust, without loose parts or breaks; with a humidity level not higher than 3%.

-The powder component must be mixed with water (mixing ratio 3: 1) by mechanical means using a low-revolution mixer until a homogeneous mixture is achieved. In the case of applying colors, 8 L of water of all the desired pigment should be incorporated and then mixed in the appropriate dosage of powder with water until a homogeneous mass is achieved.

-This product has a final finish. In the case of ceramics or porous / irregular substrates, a regularization base or mortar must first be applied.

ADVANTAGES

- Quick drying and easy maintenance
- Suitable for the execution of continuous works
- Great resistance
- Solvent free
- Applicable on existing surfaces
- Can be combined with different materials
- Does not require gaskets
- Stain resistant

YIELD (BCL F 1K-20)		FORMATS		PRESENTATION	
m ² per layer		Ref.	BIOCAL FINE (Comp. A) format	A Polvo Powder	Agua Water
Surface	m ² aprox.				
Panels, MDF, Gypsum	36 m ²	BCL F 1K-1U	1U Kg. BioCal Fine		
Mortar	32 m ²	BCL F 1K-2U	2U Kg. BioCal Fine		
Base, baserlex	28 m ²				
Base Ground	24 m ²				

TECHNICAL SPECIFICATIONS (internal quality tests)					
	BIOCAL FINE		WATER		Density of the mixture: 1,800 kg/l
Appearance:	Powder.		Liquid		mix pH: 8-9
Color:	White		Transparent		Mix usage time: 1-2 h. a 20°C 60% RH
Density (kg/l):	1,800		1,000		Application temperature: Not lower than 5°C or higher than 35°C
Mixing ratio :	1 part		1 part		Waiting time before sealing: 12-24 h. a 20°C 60% RH
Dangerous goods: NOT classified as ADR/RID, IMDG, ICAO/IATA			Walkability once sealed: 48 h. a 20°C 60% RH		
Drying time between coats: 3-4 h. a 20°C 60% RH			Suitable for radiant heating: Yes (minimum 4 cm. screeds)		
Expiration: 1 year from the date of production on its packaging			Storage: At a minimum temperature of 0°C and a maximum temperature of 40°C		
Compressive strength:			Flexural strength:		
1 day	7 days	28 days	1 day	7 days	28 days
3,15 N/mm²	5,20 N/mm²	8,00 N/mm²	0,5 N/mm²	0,94 N/mm²	1,0 N/mm²

TECHNICAL TESTS (A + B) (tested product: PU finish)		
UNE-EN 13813:2003		
Adhesion resistance, UNE-EN 13892-8:2003	Ceramic support	1,7 N/mm ² (support break)
	Fiber cement support	1,3 N/mm ² (support break)
	DM support	0,6 N/mm ² (support break)
	25 N/mm ²	
Surface hardness, UNE-EN- 13892-6:2003		
Determination of the liquid water transmission index (permeability), UNE-EN 1062-3:1999		0,01 Kg./m ² h 0,5
Determination of bending properties, UNE-EN ISO 178:2003		0,15 KN./mm ²
Determination of the slip / slip resistance value of unpolished floors (USRV). UNE-ENV 12633:2003, Anexo A		Does not apply
Impact resistance, UNE-EN ISO 6272:2004. Height of fall at which the first cracks are observed and diameter produced at this height		>4,9 Nm A 1500 mm NO flaws. Crater diameter: 10.1 mm.
Böhme wear resistance, UNE-EN 13892-3:2003		11,2 cm ³ / 50 cm ²
UNE EN 13501-1:2007		
Behavior to fire once the finish is applied		Bfl – S1
UNE-ENV 12633:2003		
Slip resistance after finishing applied		Rd: CLASE 3 – Valor USRV: 47

The recommendations and technical data reflected in this technical sheet are based on laboratory tests and our experience in practice, declining all responsibility for consequences derived from improper use. Date: August 2016.
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