DATA SHEET

Product: BIOCAL MEDIUM 1K
Ref.: BCL M – 1K 20

DESCRIPTION

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

YIELD (BCL M 1K-20)

m^2 per layer Surface	m^2 aprox.
Panels, MDF, Gypsum	32 m^2
Mortar	30 m^2
Base, Baseflex	24 m
Base Ground	20 m^2

FORMATS

Ref.	BIOCAL MEDIUM (Comp. A) Format
BCL M 1K-10	10 Kg. Biocal Medium
BCL M 1K-20	20 Kg. Biocal Medium

PRESENTATION

TECHNICAL SPECIFICATIONS (internal quality tests)

	BIOCAL MEDIUM	WATER
Appearance:	Powder.	Liquid
Color:	White	Transparent
Density (kg/l):	1,800	1,000
Mixing ratio :	1 part	1 part

Density of the mixture: 1,800 kg/l
mix pH: 8-9
Mix usage time: 1-2 h. a 20ºC | 60% RH
Application temperature: Not lower than 5ºC or higher than 35ºC
Waiting time before sealing: 12-24 h. a 20ºC | 60% RH
Walkability once sealed: 48 h. a 20ºC | 60% RH
Suitable for radiant heating: Yes (minimum 4 cm. screeds)
Dangerous goods: NOT classified as ADR/RID, IMDG, ICAO/IATA
Drying time between coats: 3-4 h. a 20ºC | 60% RH
Expiration: 1 year from the date of production on its packaging
Storage: At a minimum temperature of 0ºC and a maximum temperature of 40ºC

Compressive strength:			**Flexural strength:**		
1 day	7 days	28 days	1 day	7 days	28 days
3,15 N/mm^2	5,20 N/mm^2	8,00 N/mm^2	0,5 N/mm^2	0,94 N/mm^2	1,0 N/mm^2

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)
Surface hardness, UNE-EN- 13892-6:2003	25 N/mm^2	
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 resistence, 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. Version: 1.0

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