

# DATA SHEET

cement design®

Product: BIO CLAY CRACK 1K  
Ref.: [BCLY-C 1K 20 / BCLY-C 1K 10]

## DESCRIPTION

Medium granulometry coating, clay 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 (BCLY-C 1K 20)     |                       | FORMATS      |                                  | PRESENTATION |  |
|--------------------------|-----------------------|--------------|----------------------------------|--------------|--|
| m <sup>2</sup> per layer |                       | Ref.         | BIOCLAY CRACK(Comp. A)<br>Format | A            |  |
| Surface                  | m <sup>2</sup> aprox. |              |                                  | Polvo        |  |
| Panel, MUF, Gypsum       |                       |              |                                  | Powder       |  |
| Mortar                   | 13 m                  | BCLY-C 1K-10 | 10 Kg. Bioclay crack             |              |  |
| base, baserex            | 11 m                  | BCLY-C 1K-20 | 20 Kg. Bioclay crack             |              |  |
| base Ground              | 9 m                   |              |                                  |              |  |

| TECHNICAL SPECIFICATIONS (internal quality tests)               |                        |                        |                                                                            |                        |                                                                 |
|-----------------------------------------------------------------|------------------------|------------------------|----------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------|
|                                                                 | BIOCLAY                |                        | WATER                                                                      |                        | Density of the mixture: 1,800 kg/l                              |
| Appearance:                                                     | Powder.                |                        | Liquid                                                                     |                        | mix pH: 8-9                                                     |
| Color:                                                          | Earth                  |                        | 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/mm <sup>2</sup>                                          | 5,20 N/mm <sup>2</sup> | 8,00 N/mm <sup>2</sup> | 0,5 N/mm <sup>2</sup>                                                      | 0,94 N/mm <sup>2</sup> | 1,0 N/mm <sup>2</sup>                                           |

| 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 <sup>2</sup> (support break) |
|                                                                                                                                     | Fiber cement support                          | 1,3 N/mm <sup>2</sup> (support break) |
|                                                                                                                                     | DM support                                    | 0,6 N/mm <sup>2</sup> (support break) |
|                                                                                                                                     | 25 N/mm <sup>2</sup>                          |                                       |
| Surface hardness, UNE-EN- 13892-6:2003                                                                                              |                                               |                                       |
| Determination of the liquid water transmission index (permeability), UNE-EN 1062-3:1999                                             | 0,01 Kg./ m <sup>2</sup> h 0,5                |                                       |
| Determination of bending properties, UNE-EN ISO 178:2003                                                                            | 0,15 KN./mm <sup>2</sup>                      |                                       |
| 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                                       |                                       |
| Böhme wear resistance, UNE-EN 13892-3:2003                                                                                          | A 1500 mm NO flaws. Crater diameter: 10.1 mm. |                                       |
|                                                                                                                                     | 11,2 cm <sup>3</sup> / 50 cm <sup>2</sup>     |                                       |
| 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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