ECOCOLLE 100

Tile Adhesive Mortar - C1







ECOCOLLE 100

PRODUCT DESCRIPTION

Standard cement-based adhesive mortar designed for laying ceramic tiles on new interior floor substrates.

FIELDS OF APPLICATION

Nature of coating: Porous ceramic tiles (e.g. faience, terracotta) and porous natural stones.

Maximum Tile Size: 1600 cm².

Limitations of Use:

- Smooth concrete (requires substrate absorption check).
- Plaster-based or special substrates (metal, polyester, wood).
- Non-porous ceramic tiles (porcelain stoneware).
- Heated floors.

PRODUCT ADVANTAGES

- Ready to mix.
- Cost-Effective.

Color:

White.

Composition:

• Hydraulic binder, mineral fillers, and additives.

• 12 months in original sealed packaging, protected from moisture.

PRODUCT CHARACTERISITCS & PERFORMANCES

Application Characteristics:

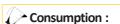
Water-to-Powder Ratio	Approx. 20%	
Mixing Time	Approx. 3 min	
Maturation Time	Approx. 5 min	
Open Time	Approx. 20 min	
Working Time	Approx. 3 hours	
Grouting Delay	Minimum 24 hours	
Accessibility	24 to 48 h after grouting	

Packaging:	25 Kg BAG
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Powder Characteristics:

Initial Tensile Adhesion Strength	≥ 0.5N/mm ²
Adhesion After Open Time	≥ 0.5N/mm ²
Tensile Adhesion After Heat Exposure	≥ 0.5N/mm ²
Adhesion After Water Immersion	≥ 0.5N/mm ²
Adhesion After Freeze—Thaw Cycles	NPD

NPD : No Performance Determined All values indicated in this technical data sheet are based on laboratory tests. They may be significantly modified by application conditions.



Depending on adhesive thickness. Around 2 Kg/m² per 1 mm

• Note: The adhesive thickness depends on the condition of the substrate, the size and texture of the tile, the application method, and the type of notched trowel used.

- Substrates must be clean, sound, and solid (cementbased substrates must not exude moisture).
- Concrete slabs: minimum 1 month old.
- Cement screeds: minimum 15 days.
- Cement renders: minimum 48 hours.
- In hot or windy conditions, moisten substrates a few hours before application.
- Cellular concrete must be moistened prior to mortar application.

Product Preparation:

APPLICATION

Substrate Preparation:

- In a container with approx. 5 liters of clean water, pour one 25 kg bag of SOFAPCOL ECOCOLLE 100 while mixing until a homogeneous paste is obtained (preferably with an electric mixer).
- Allow the mixture to rest briefly, then remix before application.
- Application :
- Apply the adhesive mortar using a trowel.
 - Adjust the adhesive thickness with a notched trowel suitable for the tile size and surface texture.
- In certain cases, use the double-spread method (refer to DTU 52.2)

Application Temperature: Between 5°C and 35°C Recommendation:

- Do not spread adhesive over large areas (beyond 1 m²) to avoid exceeding the open time.
- Avoid application during freezing conditions, extreme heat, rain, or direct sunlight.

LEGAL NOTICE

• The technical characteristic values are average statistical values and may be updated without notice. This document is non-contractual, and no responsibility is accepted for damage resulting from improper use.

REFERENCE DOCUMENTS

• NF EN 12004 - DTU 52.1 - DTU 52.2

For more information, refer to DTU 52.2 and/or our SOFAPCOL selection guide.

