

ECOCOLLE 100

Tile Adhesive Mortar - C1



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. faïence, 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 CHARACTERISTICS & 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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APPLICATION

Substrate Preparation :

- Substrates must be clean, sound, and solid (cement-based 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 :

- 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)

PRODUCT ADVANTAGES

- Ready to mix.
- Cost-Effective.

Color:

- White.

Composition:

- Hydraulic binder, mineral fillers, and additives.

Storage:

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

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.



Consumption :

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.

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.