PRO 1000

Tile Adhesive Mortar - C1TE



PRODUCT DESCRIPTION

Standard, cement-based tile adhesive mortar with slip resistance and extended open time. It is intended for the installation of ceramic tiles on new interior floors and walls.

FIELDS OF APPLICATION

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

Maximum Tile Size: 2200 cm².

Recommendation:

The extended open time (E) feature improves workability in warm temperatures or over large surfaces.

Limitations of Use:

- Smooth concrete (requires assessment of substrate absorption).
- Plaster 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. 30 min |
| Working Time | | Approx. 3 hours |
| Grouting Delay | | Minimum 24 hours |
| Accessibility | | 24 to 48 hours after |
| | | grouting |
| Packaging: | Packaging: 25kg bag. | |

APPLICATION

Substrate Preparation:

- Substrates must be clean, flat, sound, and solid (cement-based substrates must not exude moisture).
- Concrete slabs must be at least 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 PRO 1000 while mixing until a homogeneous paste is obtained (preferably using a lowspeed electric mixer).
- Let the mix rest briefly, then remix before application.

Application:



- Apply the adhesive mortar using a trowel
- Adjust the adhesive thickness with a notched trowel appropriate for the tile size and surface
- In some cases, apply using the double-spread method (refer to DTU 52.2).



PRO 1000

PRODUCT ADVANTAGES

- Ready to mix.
- Slip-resistant.
- Extended open time.

Color:

- White
- Gray

Composition:

Hydraulic binder, mineral fillers, and additives.

Storage:

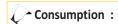
• 12 months in sealed packaging, stored away from moisture.

Normative Characteristics EN 12004:

| Initial Tensile Adhesion Strength | ≥ 0.5N/mm² |
|--|------------------------|
| Tensile Adhesion After Heat Exposure | ≥ 0.5N/mm² |
| Tensile Adhesion After Water Immersion | ≥ 0.5N/mm ² |
| Tensile Adhesion Freeze-Thaw Cycles | NPD |
| Tensile Adhesion After Extended Open Time (E) | ≥ 0.5N/mm² |
| Slip (T) | ≤ 0.5mm |

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 thickness.

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 2 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.

