

# FLEX

## Tile Adhesive Mortar - C2TES1



### PRODUCT DESCRIPTION

Enhanced, flexible, slip-resistant cement-based tile adhesive mortar with extended open time, designed for installing large-format ceramic tiles and natural stones on interior and exterior floors and walls, on both new and existing substrates.

### FIELDS OF APPLICATION

**Nature of Coating:** Installation of tiles (porcelain stoneware) and natural stones (marble, limestone, granite) of all porosities and large formats.

**Maximum Format:** 10.000 cm<sup>2</sup>.

### Recommendation:

Ideal for facades, terraces, and underfloor heating systems.

### Limitations of Use:

Plaster substrates, special substrates (metal, polyester, wood).

### PRODUCT CHARACTERISTICS & PERFORMANCE

#### Application Characteristics:

Water-to-Powder Ratio	Approx .25% (6.25 liters water per 25 KG BAG)
Mixing Time	Approx. 3 min
Maturation Time	Approx. 5 min
Open Time	Approx. 30 min
Practical Usage Duration	Approx. 4 hours
Time Before Grouting	Minimum 24 hours
Accessibility	24 to 48 hours after grouting



**Packaging :**

25 kg bag

### APPLICATION

#### Substrate Preparation:

- Substrates must be clean, sound, solid, and dry (cement-based substrates must not be wet).
- Concrete slabs must be at least 1 month old, cement screeds at least 15 days old, and cement renders at least 48 hours old.
- In hot or windy conditions, moisten substrates a few hours before application.
- Cellular concrete substrates must be moistened before applying the mortar.

#### Product Preparation:

- In a container with Approx. 6.25 liters of clean water, pour a 25 kg bag of SOFAPCOL FLEX while mixing until a homogeneous mixture is obtained (preferably use an electric mixer).
- Let the mixture rest for a few minutes, then mix again before application.

#### Application :



- Apply the adhesive mortar to the substrate with a trowel, then adjust the adhesive thickness using a notched spatula.
- For large formats or specific conditions, use double gluing (refer to DTU 52.2).

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### PRODUCT ADVANTAGES

- Ready to mix.
- Enhanced Mortar formula.
- Slip-resistant for tiles.
- Extended open time
- Flexible.
- Superior Adhesion.
- Suitable for new and existing substrates.
- Ideal for large-format tiles.

#### Color :

- White.

#### Composition :

- Hydraulic binder, mineral fillers, and additives.

#### Storage :

- 12 months in original sealed packaging, stored away from moisture.

### Normative Characteristics according to EN 12004 :

Initial Tensile Adhesion	$\geq 1\text{N/mm}^2$
Tensile Adhesion After Heat Exposure	$\geq 1\text{N/mm}^2$
Tensile Adhesion After Water Immersion	$\geq 1\text{N/mm}^2$
Tensile Adhesion Freeze-Thaw Cycles	$\geq 1\text{N/mm}^2$
Tensile Adhesion After Extended Open Time (E)	$\geq 0.5\text{N/mm}^2$
Slip (T)	$\leq 0.5\text{ mm}$
Transverse Flexibility (S1)	$\geq 2.5\text{ mm}$ et $< 5\text{ mm}$



**Consumption :**

Depends on adhesive thickness.  
Around 2 Kg / m<sup>2</sup> for 1 mm thickness.

**Note:** Adhesive thickness depends on substrate condition, tile size and notched spatula.

**Application Temperature:** Between 5°C et 35°C.

#### Recommendation:

- Do not spread adhesive over large areas (beyond 1 m<sup>2</sup>) 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 the SOFAPCOL selection guide.

