



CAPAGEL®

FLEX

GEL ADHESIVE C2TE S1

- CAPAGEL® Technology
- Consumption | Yield
-  Dust
-  Full application guarantee
-  Ecological



DESCRIPTION

CAPAGEL® FLEX is a gel adhesive with the same performance of a cement based adhesive according to UNE EN 12004 as C2TE S1. Its composition is based on last generation geopolymers which provide with an excellent workability and a gel-like texture. It also has new technology fibers that guarantee a high thixotropy and an extended open time which gives a total grip.

CAPAGEL® FLEX oversees health at job site, "stop dust" reducing by 95 % the emission of airborne dust. Its special composition provides with a higher yield. Consuming less Kg/m² of placing.

APPLICATIONS

Laying floors with underfloor heating. Laying absorbent and non-absorbent ceramic tiles, stoneware or marble on indoor and outdoor cement-based mortar surfaces, concrete or plasterboard.

Suitable for use on floors with high traffic, façades, old floors.

Suitable for use in zones with radiant heating or refrigeration systems.

A double glue technique should be used for tiles larger than 40 cm x 40 cm and on façades.

INSTRUCTIONS FOR USE



- 1 Add water and mix by hand or mechanically until you obtain a smooth paste of a workable consistency (8,5l-9,5l)
- 2 Leave the paste to stand for 5 minutes and mix again before applying.
- 3 Spread the paste on the surface in sections of a surface area no larger than 2 m², combining with suitable trowel. If double gluing is required, spread the mixture over the back of the tile as well.

- 4 Put the ceramic tiles on top of the freshly-laid adhesive, pressing lightly to ensure that the whole tile surface comes into contact with the adhesive, filling any grooves.
- 5 Leave a joint of a width of at least 1.5 mm between indoor tiles and at least 5 mm between outdoor tiles. Wait 24 hours before grouting wall tiles and 48 hours before grouting floor tiles.
- 6 Respect all perimeter and structural joints. Place one partition joint every 50 m² for indoor floor tiling, and one every 30 m² for outdoor floor tiling.

APPLICATION SURFACES

Conventional surfaces and cement based mortar floors and finishes. Underfloor heating. Concrete. Avoid applying on dead plaster or weak renderings. Plasterboard. Cellular Concrete. The application surface must be hard, perfectly set and free from dust, paint, oil, etc.

WARNINGS AND RECOMMENDATIONS

- Do not apply this product when frost or rain are forecasted.
- Mechanical anchorings should be used on façades.
- Do not apply at temperatures below 5°C or above 35 °C
- In extreme weather conditions (wind or high temperatures), the product will dry more quickly than usual. This will result in a shorter open time.
- In high temperatures, windy conditions or if the application surface is very absorbent, it is advisable to moisten the surface and wait for the film of water to disappear before applying the product.
- Check periodically, that a surface film has not formed on the adhesive paste once it has been spread onto the surface. If a film has formed, remove the product and apply a fresh coat.
- Check that the paste is sticky enough by periodically lifting one of the tiles already in place to ensure that it is well stuck down.
- Use within 1 year of date of packaging. Store the product in its original packaging in a dry, covered place protected from humidity

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AVAILABLE FORMATS

CAPAGEL® FLEX is available in 25 kg paper sacks with moisture-proof plastic lining, dispatched on shrink-wrapped pallets weighing a total of 1.400 kg (56 sacks).

TECHNICAL FEATURES

Application Data

Adhesive Thickness:	from 2 to 15mm
Yield per mm of thickness:	1,13Kg/m ²
Room temperature, surface and materials:	from +5°C to +35°C
Shelf life time at +23°C:	approx 6h
Adjustment Time at +23°C:	≥20 min
Open time at +23°C:	≥60 min
Passable and grouting:	+23°C aprox 24h walls aprox 20h +5°C aprox 50h
Coming into service at +23°C:	Light traffic approx 2 days Heavy traffic approx 3 days Swimming pools approx 14 days

Performance Data

Slip	≤ 0,5 mm
Adhesive strength under normal conditions:	≥ 2 N/mm ²
Adhesive strength after water cycle	≥ 1,5 N/mm ²
Adhesive strength after heat cycle	≥ 2 N/mm ²
Adhesive strength after freeze/thaw cycling	≥ 1,5 N/mm ²
Adhesive strength after 30 minutes	≥ 1 N/mm ²
Transverse deformation:	≥ 2,5 mm
Service temperature:	from -40°C to +90°C

NOTE

The recommendations for use are based on our own knowledge and experience. The technical data provided have been obtained under normal laboratory conditions, and may therefore vary according to the environmental conditions in the place where the product is used. As the application conditions are beyond our control, the information provided here does not imply that the company accepts responsibility for any variations.