

CAPAGEL FLEX

Gel Adhesive C2TE S1

Description

CAPAGEL FLEX is a gel adhesive with the same performance of a cement based adhesive according to UNE EN 12004 standard and ISO 13007 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.

Advantage

- CAPAGEL technology
- Reduced consumption
- Increased yield
- Full application guarantee
- Ecological

Technical Data

Application Data:

Appearance	White and Grey powder
Adhesive Thickness	from 2 to 15 mm
Coverage	1.10 - 1.15 Kg/m ² /mm of thickness
Room temperature, surface and materials	from +5°C a +40°C
Shelf life time at +23°C	approx 6h
Adjustment Time at +23°C	≥35 min
Open time at +23°C	≥60 min
Passable and grouting	+23°C aprox 24h walls approx 20h +5°C approx 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	≥ 2.5 N/mm ²
Adhesive strength after water cycle	≥ 1 N/mm ²
Adhesive strength after heat cycle	≥ 1.5 N/mm ²
Adhesive strength after freeze/thaw cycling:	≥ 1 N/mm ²
Adhesive strength after 30 minutes	≥ 1 N/mm ²
Transverse deformation	≥ 2.5 mm

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

Application Information

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.

Application Instruction

1. Add water and mix by hand or mechanically until you obtain a smooth paste of a workable consistency (7,71-8,71).
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 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 2 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.

Available Pack Size

CAPAGEL FLEX is available in 25 kg sacks with moisture-proof plastic lining, dispatched on shrink-wrapped pallets weighing a total of 1,400 kg (56 bags).

Warnings And Recommendations

- Do not apply this product when frost or rain are forecasted.
- Mechanical anchoring's should be used on façades.
- 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.

Warranty

Topkrete Sdn Bhd warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

Important 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.

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