$CO_2$LESS CAPAGEL

# FLEX **ONE** C2**TE S1**

Next-generation flexible gel adhesive formulated with Capagel technology. Low carbon footprint and excellent final performance.

**20 KG**

A GRADE
According to Regulation (UE)2025/40

EMISIONES EN EL AIRE INTERIOR A+

*With fibres*

*Multi-format multi-substrate*

*Enhanced wetting performance*
***Maximum coverage***

***Flexible and deformable***

## DESCRIPTION

**$CO_2$LESS Capagel Flex One** is a high-performance, high-adhesion, next-generation flexible C2TE S1 gel adhesive whose reduced slip and extended open time provide excellent final performance. The GEL technology composition, based on geopolymers and new-technology fibres, gives it excellent mechanical properties as well as high thixotropy. All the performance of our flexible adhesive range with maximum care for the environment, **thanks to its low carbon footprint.**

## APPLICATIONS

Especially suitable for laying ceramic tiles, porcelain tiles, glazed stoneware, glass mosaic tiles and all types of natural stone. Suitable for application over any type of underfloor heating, as well as over existing tiles and floor coverings. For formats larger than 90×90 cm, the double-buttering technique is recommended, especially for outdoor applications.

## SUPPORTS

Substrates must be fully set and clean of dust, paint and oil. Avoid dead plaster and weak renders. The product may be used on plasterboard substrates or on conventional substrates such as renders and concrete floors, as well as on aerated concrete. For applications on gypsum-, plaster- or anhydrite-based substrates, first use our APLICA PRIMER TOP bonding primer. If used on substrates or with tiles not defined in the material's technical data sheet, consult the Technical Department.

## DIRECTIONS FOR USE

1. Mix mechanically with clean water (7.2 - 7.4 L) until a homogeneous and workable consistency is obtained.
2. Allow the mixed adhesive to stand for 5 minutes and remix before application.
3. Spread the paste onto the substrate in areas no larger than 2 metres, combing it with the appropriate notched trowel. Follow the instructions for use set out in the UNE-EN 138002 table.
4. Place the ceramic tiles onto the fresh gel adhesive, pressing them gently until full contact with the entire surface is achieved, flattening the ridges.
5. For treating joints between tiles, both indoors and outdoors, as well as perimeter and structural joints, follow the instructions for use set out in the tables of the UNE-EN 138002 standard.

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## PRECAUTIONS AND RECOMMENDATIONS

- Do not apply on weak or poorly cohesive substrates.
- Do not apply at temperatures below 5 °C or above 45 °C.
- Do not apply when there is a risk of frost or in rainy weather.
- In extreme weather conditions, such as wind and high temperatures, drying occurs faster than normal, reducing the open application time.
- In the event of high temperatures, wind and highly absorbent substrates, it is advisable to dampen the substrate and wait until the water film has disappeared before applying the material.
- Check the tackiness of the paste by periodically lifting a placed tile and ensuring that it is properly bonded.
- Apply the product following the instructions set out in the UNE-EN 138002 installation standard and in accordance with the instructions given in the technical data sheet. For any queries, consult the Technical Department.
- Use within 1 year from the packaging date and store in its original packaging in a covered, dry place, protected from moisture.

## PRESENTATION

**$CO_2$LESS Capagel Flex One** represents a full commitment to the environment. Its packaging completely eliminates plastic thanks to its double layer of perforated paper, which ensures breathability and facilitates full recycling. It is also supplied in a convenient 20 kg package that makes handling easier and reduces the risk of injuries caused by lifting loads.

**Packaging with certified recyclability.** Recyclability test carried out by ITENE in accordance with UNE-EN 13430, obtaining the A Grade classification under Regulation (EU) 2025/40.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Mixing water:** | **6,8 - 7,0L** |
| Particle size: | < 0,6 mm |
| **Adjustment time:** | **45 min** |
| Pot life: | 2,5 h |
| **Adhesion under normal conditions:** | **≥ 1,0 Mpa** |
| Adhesion after water cycles: | ≥ 1,0 Mpa |
| **Adhesion after heat cycles:** | **≥ 1,0 Mpa** |
| Adhesion after freeze-thaw cycles: | ≥ 1,0 Mpa |
| **Adhesion after 30 min open time:** | **≥ 0,5 Mpa** |
| Slip: | < 0,5 mm |
| **Transverse deformation (flexibility)** | **≥ 2,5** |
| Foot traffic (20°C): | 24h |
| **Grouting (20°C):** | **24h** |
| Application thickness: | 3 - 20 mm |

## NOTE

The recommendations for use are based on our knowledge and experience. The technical data have been obtained under normal laboratory conditions and may vary depending on site application conditions. Since application conditions are beyond our control, the information in this data sheet does not imply any liability on the part of the company.