



# CAPA FLEX

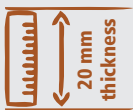
**PPA, GEL ADHESIVE FOR FIXING ANY NATURE VITRIFIED TILES AND STONES OF LARGE FORMAT.**

## CAPAGEL® Technology

- Extremely workable
- 12% better coverage
- High extended open time
- Highly durable

REV\_03/26

CAPA FLEX



## DESCRIPTION

**CAPA FLEX** is a gel-like texture adhesive, which provides the maximum performance of workability and security in the tiling. Its composition, based on modified resins, gives it an excellent workability. It also has rheological agents, which guarantee a very high thixotropy and an extended open time that gives a total grip.

## SURFACES

- Cement-based plaster and screeds
- Cement based structure like Precast concrete, RCC, or PCC
- Surfaces with IC Preciplast, IC Preciscreed, IC Precifloor SL
- Concrete/aluminum foam works
- Cement based waterproofing surfaces

## FINISHING MATERIALS

- Ceramic tiles/Vitrified tiles Large Format tiles • Glass Mosaic
- Natural Stone/Granite/Indian Marble • Italian marble
- Terracotta • Ceramic mosaic • Red clay wire cut bricks

## APPLICATION AREAS

- Internal & external use • Commercial applications
- Terrace • Street furniture • Swimming Pool • Podium

## PACK

20 Kg with moisture proof lining

## WATER DOSAGE

Grey: 4.6 - 5.4 L per pack  
White: 5.2 - 5.8 L per pack

## SHELF LIFE

12+ months DPS

## COLOUR

Grey and white



STRONGER TOGETHER

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## APPLICATION STEPS



Thoroughly clean the surface by mechanical scarification with ensuring no dirt, dust and free from adhesion de-promoters like oil, grease etc.



Damp the surface with water to SSD condition (Saturated surface dry condition).



Pour water into the bucket.



Add **CAPA FLEX** in bucket containing water.



Mix with mechanically operated mixer.



Spread the mixture on surface area using suitable notched trowel with forming series of even ribs in single direction with high accuracy in levels.



Apply sufficient layer of adhesive directly over rear surface finishing materials like tile/stone/marble.



Fix and press the finishing material over freshly applied adhesive on surface.



Tamp with rubber mallet from centre towards outward.



Wait 24 hrs after fixing to start grouting.

## RECOMMENDATIONS

- Remove resin coating/polymer mesh from rear surface of stones before fixing with any tile adhesives.
- Check frequently quality of application by lifting one/two of installed materials and ensure full dispersion.
- Advised to create Perimeter joint at all end connections, Control joints at each 10 Sqm interval and expansion joints at each 50 Sqm interval. Fill these joints with flexible sealants.
- Provide spacers of size minimum 2 mm for indoor, 3 mm for outdoor applications, 5 mm for large formats considering higher movements. Fill these joints with **Aplicacer Colour Epoxy 3.0**
- Mechanical anchoring should be used on facades, if required.

## DO NOT USE

- Addition of other ingredients which may alter final performance of the product.
- Fixing on metal, wood, glass, plastic etc.
- External moisture curing

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## WORKABILITY PERFORMANCE

|  |   |
|--|---|
| Recommended thickness (mm)                     | From 3 to 20  |
| Coverage (Kg/sq.m/mm)                          | 1.1   |
| Temperature of the surfaces and materials (°C) | From -5 to +40  |
| Pot life (Hrs)                                 | ≥ 4.5   |
| Open time (min)                                | ≥ 40  |
| Adjustability time (min)                       | ≥ 45  |
| Maturity time (min)                            | ≥ 5   |
| Grout application in joints                    | 24 hrs for wall and 72 hrs for floor  |
| Foot traffic                                   | Light foot traffic > 24 hrs<br>Heavy foot traffic > 3 days<br>Swimming pool > 14 days |

at 27±2°C temperature and 65±5% humidity

## TECHNICAL PERFORMANCE

| IS 15477 - 2019                         | Requirements of T3S1 | Results | Classification |
|---|----------------------|---------|----------------|
| Tensile adhesion in dry condition (Mpa) | 1.5                  | ≥ 1.85  | Type 3T S1     |
| Tensile adhesion in wet condition (Mpa) | 1                    | ≥ 1.25  |                |
| Shear adhesion in dry condition (Mpa)   | 1.5                  | ≥ 1.65  |                |
| Shear adhesion in wet condition (Mpa)   | 1                    | ≥ 1.2   |                |
| Shear adhesion in heat ageing (Mpa)     | 1                    | ≥ 1     |                |
| Deformability (mm)                      | ≥ 2.5                | ≥ 2.8   |                |

at 27±2°C temperature and 65±5% humidity

| EN 12004 - 2017  | Requirements of C2TE S1 | Results | Classification |
|--|-------------------------|---------|----------------|
| Initial tensile adhesion strength (Mpa)                  | ≥ 1                     | ≥ 1.8   | Class C2 TE S1 |
| Tensile adhesion strength after water immersion (Mpa)    | ≥ 1                     | ≥ 1.2   |                |
| Tensile adhesion strength after heat ageing (Mpa)        | ≥ 1                     | ≥ 1     |                |
| Tensile adhesion strength after freeze thaw cycles (Mpa) | ≥ 1                     | ≥ 1     |                |
| Open time - Tensile adhesion strength (Mpa)              | ≥ 0.5                   | ≥ 0.5   |                |
| Deformability (mm)                                       | ≥ 2.5                   | ≥ 2.8   |                |

at 23±2°C temperature, 50±5% relative humidity and speed of the air < 0.2 m/s

Disclaimer: While our tile adhesive is formulated to adhere to industry standards and recommended application methods, we cannot be held responsible for any misuse, improper application, or deviation from our provided guidelines. It is essential to follow the prescribed instructions and use the product within its intended purpose for optimal results. Any alternative use or application outside our guidelines is done at the user's own risk.

## INTERNATIONAL COMBUSTION (INDIA) LIMITED

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