



CAPAGEL FLEX

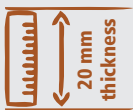
HIGHLY DEFORMABLE AND EXTREMELY WORKABLE GEL ADHESIVE FOR FIXING EXTRA LARGE FORMAT TILES AND STONES

CAPAGEL® Technology

- Extremely workable
- 12% better coverage over normal adhesive
- Flexible and deformable
- High bond strength

REV_03/26

CAPAGEL FLEX



DESCRIPTION

CAPAGEL FLEX is a gel adhesive with the improved performance over cement based adhesive. Its composition is based on latest 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.

SURFACES

- Cement based plasters and screeds
- Cement based structure like Precast concrete, RCC, or PCC
- Surfaces with IC Preciplast, IC Preciscreed, IC Precifloor SL
- Dry walls like Cement, Bison, Calcium silicate panels
- Existing floor in tiles/stones

FINISHING MATERIALS

- Thin slabs • Ceramic & vitrified tiles • Natural and manufactured stones
- Paper or mesh mounted glass mosaics

APPLICATION AREAS

- Internal & external use
- Dry, wet and water bodies
- Heavy duty flooring like car parkings, airports etc.
- Residential, commercial and industrial applications

PACK

20 Kg with moisture proof lining

WATER DOSAGE

Grey: 5.8 - 6.4 L per pack
White: 6.0 - 6.8 L per pack

SHELF LIFE

12+ months DPS

COLOUR

Grey and white



STRONGER TOGETHER

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 **CAPAGEL 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

WORKABILITY PERFORMANCE

Recommended thickness (mm)	From 3 to 20 mm
Coverage (Kg/sq.m/mm)	1.1
Temperature of surface and materials (°C)	From -5 to +40°C
Pot life (Hrs)	> 4.5
Open time (min)	> 45
Adjustability time (min)	> 50
Maturity time (min)	5
Grout application in joints	24 hrs for wall and 72 hrs for floor
Foot traffic	Light foot traffic > 24 hrs Heavy foot traffic > 3 days Swimming pool > 14 days

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

TECHNICAL PERFORMANCE

IS 15477 - 2019	Requirements of Type 4	Results	Classification
Tensile adhesion in dry condition (Mpa)	1.5	≥ 2.5	Type 4T S1
Tensile adhesion in wet condition (Mpa)	1	≥ 1.5	
Shear adhesion in dry condition (Mpa)	1.5	≥ 1.75	
Shear adhesion in wet condition (Mpa)	1	≥ 1.5	
Shear adhesion in heat ageing (Mpa)	1	≥ 1.5	
Deformability (mm)	> 2.5	> 3.5	

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

EN 12004 - 2017	Requirements of Class C2	Results	Classification
Initial tensile adhesion strength (Mpa)	≥ 1	≥ 2.5	Class C2 TE S1
Tensile adhesion strength after water immersion (Mpa)	≥ 1	≥ 1.5	
Tensile adhesion strength after heat ageing (Mpa)	≥ 1	≥ 1.5	
Tensile adhesion strength after freeze thaw cycles (Mpa)	≥ 1	≥ 1.5	
Open time - Tensile adhesion strength (Mpa)	≥ 0.5	≥ 1	
Deformability (mm)	> 2.5	> 3.5	

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.

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