

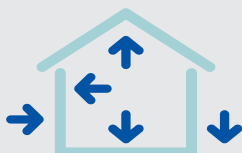


aplicaCer PU FLEX

PURE POLYURETHANE ADHESIVE WITH HIGH ELASTICITY AND DEFORMABILITY FOR DURABLE FIXING OF TILES AND STONES OVER ANY TYPES OF SURFACES.

- Multi-functional
- Waterproof
- Excellent mechanical performance
- Ease of use

REV_03/26



DESCRIPTION

APLICACER PU FLEX is a two-component white adhesive composed of pure polyurethane resin and special additives. Thanks to the scientist for its exceptional elasticity which enhances its performance to use in any vibrational and thermal cyclic situations.

SURFACES

- Cement based plasters/screed/concrete/RCC/shear walls
- Precast structures/MIVON
- Low to high dense concrete blocks
- Resin based floors like epoxy, PU etc
- Any type of dry boards including cement, bison, gypsum, wood, ply board etc.
- Other challenging surfaces like Metal, glass, aluminium framing etc.

FINISHING MATERIALS

- Ceramic, porcelain & any nature vitrified tiles
- Terracotta and red clay wire-cut bricks
- Designer bricks & other types of glass mosaics
- Any origin natural/manufactured/engineered stones and marbles
- Designer MDF, GRC, glass, metals etc.

APPLICATION AREAS

- Internal & external use • Wall/floor/ceiling
- Residential, commercial and Industrial applications

PACK

5 Kg Bucket

MIXING RATIO

Part A: 4 Kg (Pure PU resin)

Part B: 1 Kg (Hardner)

SHELF LIFE

24 months in original unopened packing

COLOUR

White



APPLICATION STEPS



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



Clean the surface using air blower



APLICACER PU FLEX - Add Part-B in bucket containing Part-A and 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 with following to and fro way of fixing.



Tamp with rubber mallet from centre towards outward.

RECOMMENDATIONS

- Substrate must be completely dry during fixing operation.
- 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 internal, 3 mm for external applications, 5 mm for large formats considering higher movements. Fill these joints with **Aplicacer Colour Epoxy 3.0**
- Respect all joints in the dry walls and follow the same in the finishing materials.

DO NOT USE

- Addition of other ingredients which may alter final performance of the product.
- On stagnant water
- Fixing on rubbers without pre-sampling

WORKABILITY PERFORMANCE

Recommended thickness (mm)	From 1 to 10 mm
Apparent density (kg/dm ³)	Part A: 1.61 / Part B: 0.928
Appearance of mixture	White
Mixture density (kg/dm ³)	1.5
Coverage (Kg/sq.m/mm)	1.5
Temperature of surfaces and materials (°C)	From -5 to +40°C
Pot life (min)	≥ 60
Open time (min)	≥ 60
Adjustability time (min)	≥ 65
Grout application in joints	24 hrs for wall and floor
Self cure time (days)	7
Foot traffic	Light foot traffic > 24 hrs Heavy foot traffic > 3 days Swimming pool > 7 days

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

TECHNICAL PERFORMANCE

IS 15477 - 2019	Requirements of Type 5	Results	Classification
Tensile adhesion in dry condition (Mpa)	2	≥ 2.2	Type 5T S2
Tensile adhesion in wet condition (Mpa)	-	> 2	
Shear adhesion in dry condition (Mpa)	6	≥ 6.2	
Shear adhesion in wet condition (Mpa)	3	≥ 4.5	
Shear adhesion in heat ageing (Mpa)	-	≥ 6.2	
Deformability (mm)	> 5	> 30	

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

EN 12004 - 2017	Requirements of Class R2	Results	Classification
Initial shear (Mpa)	≥ 2	≥ 6.2	Class R2 T
Shear adhesion after water immersion (Mpa)	≥ 2	≥ 4.5	
Shear adhesion after after thermal shock (Mpa)	≥ 2	≥ 6	
Open time - Tensile adhesion strength (Mpa)	≥ 0.5	≥ 1.5	
Slip (mm)	< 0.5	< 0.2	

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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