

VitrA Fix PurLaM



Polyurethane based, 2-component, solvent-free, multi-purpose adhesive

DESCRIPTION

Polyurethane-based, two-component, solvent-free, water-insoluble adhesive

AREAS OF USE

- Bonding of porcelain ceramic, granite ceramic, marble, ceramic, etc. coating materials to very different surfaces such as metal, cement particle board (be-topan), wood, concrete, plaster plate,
- For bonding thin and very large special ceramics with epoxy laminated backing,
- Multi-purpose adhesive suitable for parquet bonding.

FEATURES

Material Structure	: Polyurethane
Density (DIN EN ISO 2811-1)	: ~1.55 gr/cm ³ A+B Component
Color	: Beige
Solid Content	: ~ 100% (by weight)

TECHNICAL PERFORMANCE

Tensile bond strength	
- initial (after 28 days)	: ≥ 2 MPa (N/mm ²)
- after heat aging	: ≥ 2 MPa (N/mm ²)
- after aging with water	: ≥ 2 MPa (N/mm ²)
- after freeze-thaw cycle	: ≥ 2 MPa (N/mm ²)
- open holding time (after 30 min.)	: ≥ 1 MPa (N/mm ²)
Shear	: ≤ 0.5 mm
Flexibility	: Excellent
Temperature resistance	: -30 °C - +80 °C
Reaction to fire class	: A1 (TS EN 13501 - 1)
Shore A Hardness	: 55-65 ASTM D2240

CONSUMPTION

1,25 kg/m² depending on the application surface. (with 4X4X4 mm comb)

PACKAGING

7 kg set (A: 6,25 KG + B: 0,75 kg) metal

STORAGE AND SHELF LIFE

- It should be stored in moisture-free, dry and protected against external weather conditions.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be kept tightly closed.

APPLICATION FEATURES

Mixing ratio (A+B)	: 6.25 : 0.75 (wt.)
Application temperature	: Min. +15 °C / Max. +35 °C
Working time	: 30-45 minutes (+20 °C)
Hardening time	: 5 hours (+20 °C)

NOTE: These tests were performed under laboratory conditions. Times are approximate. They will be affected by changing ambient conditions, especially temperature and relative humidity.

- High adhesion strength
- High flexibility
- Adhesion to different surfaces
- Solvent Free
- Suitable for repair, filling, waterproofing



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APPLICATION

- Component A is mixed in itself and then component B is added to A and mixed very well until a homogeneous color is obtained.
- Mechanical mixers with min. Mechanical mixers with 300-400 rpm power should be used.
- The mixture is applied by combing the surface with a notched trowel (4x4x4 mm tooth size).
- Ceramic, parquet or rubber rollers should be consumed within 45-60 minutes.
- The prepared mixture should be consumed within max. 1 hour.

PRECAUTIONS

- Do not apply on surfaces in danger of frost or overheated surfaces, under direct sunlight and in high winds.
- In cold weather, packages should be stored at least 24 hours before application at a minimum room temperature of 15-20 °C.
- After application, the surface should be protected from water, rain, snow etc. until it dries.
- It should be taken into consideration that full mechanical and chemical resistance will occur within 7 days.

SAFETY INSTRUCTIONS

- Do not inhale, avoid contact with skin and eyes.
- It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during product application.
- For more detailed safety information, please read the Material Safety Data Sheet (MSDS).

Note: Technical values and application instructions are the results of our experience and tests carried out in accordance with international standards, valid at ambient conditions of 23 °C and 50% relative humidity.