



GLAZE PLUS

# TECHNICAL DATA SHEET

## GLAZE FLEX 49

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### DESCRIPTION

GLAZE FLEX 49 is a two-component, high performance, polyurethane adhesive for ceramic tiles and stone material.

### WHERE TO USE

Indoor and outdoor wall and floor bonding of ceramic tiles, stone material and mosaics of all types on:

Screed, renders, concrete, asphalt, wood, metal, PVC, reinforced polyester, asbestos-cement, gypsum, gypsum board, gypsum panels etc.

### APPLICATION

The substrates must be cured, mechanically strong, free of loose particles, grease, oil, paint, wax and be sufficiently dry. Rust on iron surfaces must be removed by sandblasting.

### PREPARING THE MIX

The two components of GLAZE FLEX 49 are supplied in ready to mix cans:

- Part A: Grey or white, 94 parts by weight;
- Part B: Transparent straw, 6 parts by weight.

The ratio of the resin (part A) and the hardener (part B) is fixed and modification could cause incorrect hardening of the product.

Pour the hardener (part B) into Part A and mix well until a uniform paste is obtained. For perfect mixing and avoid overheating the mix, use a low speed electric stirrer. Use the mix within 30-40 minutes of mixing.

Apply on the substrate a uniform layer of GLAZE FLEX 49 with a notched trowel. Choose a trowel that will give a coverage to back of the tiles of at least 75-80%.

For exterior applications, the tile back must be completely covered with the adhesive.

## INSTALLING THE TILES

Tiles must be absolutely dry. Place firm pressure to the tiles to ensure good contact and covering of the back. It is also act as a waterproofing membrane.

The open time of GLAZE FLEX 49 under normal temperature and moisture condition is approximately 50 minutes. Any adjustment must be carried out within 90 minutes of installation.

Setting time of GLAZE FLEX 49 in relation to the temperature:

Temperature	30	25	20	15	10
Time (hours)	2	3	6	8	20

## TECHNICAL SPECIFICATIONS

<b>Chemical Base</b>	Polyurethane
<b>Density</b>	1.56 (Part 1) 0.93 (Part 2) +0.05
<b>Appearance</b>	Part A (Smooth White Paste) Part B (Pale Yellow Paste)
<b>Solid Content</b>	100% weight
<b>Tensile Adhesive</b>	15-20 N/mm <sup>2</sup>
<b>Shore A Hardness</b>	65±5
<b>Elongation</b>	>600%
<b>Shear Strength</b>	6.0-8.0 N/mm <sup>2</sup>
<b>Pot Life</b>	30-40 min
<b>Full Cure</b>	7 days
<b>Foot Traffic</b>	12-24 hrs

## CONSUMPTION

Bonding of ceramics and stone material:

- Mosaics and small size tiles (trowel no. 4): 2.5Kg/m<sup>2</sup>
- Normal size tiles (trowel no. 5): 3.5 Kg/m<sup>2</sup>
- Large size tiles, marble, stone (back buttering): 5Kg/m<sup>2</sup>

## PACKAGING: 4Kg & 8Kg

4Kg [PART A – 3Kg 200GM + PART B – 800GMS]

8Kg [PART A – 6Kg 400GM +PART B – 1600 GMS]

## SAFETY GUIDELINES

- GLAZE FLEX 49 – PART A is irritating in direct contact with eyes and skins
- GLAZE FLEX 49 – PART B is a harmful substance in direct contact with skin and eyes. Avoid any type of contact with the skin & eyes.
- Use protective items. Goggles, dust mask and gloves are recommended to protect eyes, skin and mouth.
- In case of accidental contact with eyes, immediately wash them with plenty of water and seek medical advice.

## TECHNICAL SUPPORT

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