



GLAZE PLUS

TECHNICAL DATA SHEET

MEGA-BOND (PU-ADHESIVE)

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DESCRIPTION

MEGA-BOND (PU-ADHESIVE) is a two component high performance polyurethane ceramic tile and stone adhesive for laying ceramic coverings and natural stones on difficult and also vibrating substrates like metal, PVC and boards coated with plastic materials. It is a solvent less system which makes it ecofriendly. For interior and exterior use.

TYPICAL USE

- Ceramic coverings
- Fully vitrified tiles
- Stoneware tiles
- Split clinker flags and floor quarry
- Clinker one-quarter bricks
- Glass and porcelain mosaic
- Ceramic tiles on substrates, where Stress can occur
- Natural and artificial stones, sensitive to discoloration and deformable
- As waterproofing membrane in normal loaded wet areas

PRODUCT FEATURES

It is a two-component, solvent and water free adhesives which are flexible and waterproof. They are made up of a polyurethane base (component A) and a special hardener (component B). On mixing the two components together, the result is a paste with the following properties:

- Good workability
- Water-proof
- Long open time
- High tensile, compression and shear strength
- Safe application and multi-purpose use
- Hardening without shrinkage
- Excellent durability and resistant to ageing
- High deformability
- Hard elastic
- Contains no plasticizer

SUITABLE SUBSTRATES

- Concrete*
- Cement mortar beds*
- Plywood
- Gypsum wall board
- Calcium silicate board
- Bison panel board
- Concrete masonry*
- Cement plaster*
- AAC Block masonry*
- Cement terrazzo*
- Existing ceramic tile
- Other resilient tile and stone
- plastic laminated boards
- Steel and other metals (free of rust and grease)
- wooden-cement-boards
- old PVC-coverings

*All cement based surfaces should have been cured as per standard practices and shall be dry for tiling.

GROUTING

Joints between the tiles can be grouted after 12 hours with the appropriate MEGA-BOND cementitious or epoxy grouts, available in a variety of different colors.

RECOMMENDATIONS

- All surfaces should be between 10°C and 32°C and structurally sound, clean and free of all dirt, Oil, grease, loose peeling paint, concrete sealers or curing compounds.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired.
- Substrate should fulfill the requirements of DIN 18 202, tolerances in building constructions.
- With subsequent installation of ceramic coverings cement screeds are required to be at least 28 days old and no residual moisture.
- Steel and other metal substrates if needed degrease, de rust and paint with rust protection.
- Old water-resistant adhesives are to be mechanically removed as thoroughly as possible.
- Remove old wax from old PVC-covering and clean thoroughly.
- Old polyester and GRP areas must be roughen mechanically and cleaned with thinner.
- Old ceramic coverings should be thoroughly cleaned and probably abraded.

TECHNICAL DATA

Pot life	approx. 45 minutes at +20 °C
Open time	approx. 50 minutes at +20 °C
Application temperature range	10°C to 32°C
Ready for foot traffic	after approx. 10-12 hours
Ready for grouting	after approx. 12 hours
Loadable	after approx. 24 hours
Temperature resistance	completely cured -20 °C to +80 °C
Density	1.40 kg/l mixed material

CAUTIONS

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the system correctly and according to company's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible company representative for approval before commencing the work.

SAFETY FEATURES

- Store the container with the lid tightly closed in an upright position, in a cool, dry place
- Keep out of reach of children and away from eatables
- May be harmful if swallowed. In case of ingestion seek immediate medical attention
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and if required seek medical advice

PACKAGING: 4Kg, 8kg.

STORAGE AND HANDLING

The resin and hardener, when stored in their original containers and not exposed to undue heat or humidity as in outdoor open shades, will have a minimum shelf life of 1 year. Component B tends to crystallization at low temperatures. Should crystallization occur, re-dissolve by warming before use. As far as possible, direct contact of resin and hardener with the skin should be avoided as they might cause irritant on sensitive skins. It is advisable to wash off immediately in case of skin contact. Special barrier creams and cleansing creams are available commercially as additional safe guards.

TECHNICAL SUPPORT

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