



TECHNICAL DATA SHEET

MUTIBOND
PU ADHESIVE

MULTIBOND



DESCRIPTION

MultiBond PU Adhesive is a premium, two-component, solvent-free polyurethane adhesive formulated for secure and flexible installation of ceramic tiles and natural stones on complex or sensitive substrates. It is ideal for surfaces subject to vibration, thermal movement, or high moisture, including metal, PVC, gypsum boards, and existing tile coverings. Designed for both interior and exterior applications, it ensures superior performance where conventional adhesives fail.

APPLICATION AREAS

- Ceramic and vitrified tile installations
- Glass mosaics and porcelain tiles
- Natural and artificial stone laying
- Quarry tiles, split tiles, clinker tiles
- Plastic laminated boards and existing tiles
- Installation over difficult surfaces (PVC, metals, wood-cement boards)
- Wet zones requiring waterproof adhesive bedding

PRODUCT FEATURES

- Two-component system: Polyurethane base + specialized hardener
- Solvent and water-free (eco-safe formulation)
- Flexible and highly deformable
- Excellent bond strength — tensile, shear, and compressive
- Shrinkage-free curing
- Extended open time for complex installations
- High durability and resistance to ageing

- Can be used as a waterproof adhesive layer
- No plasticizer — ensures long-term stability

SUITABLE SUBSTRATES

- Concrete, cement screeds, and masonry (cured & dry)
- Gypsum and calcium silicate boards
- Plywood and wooden panels
- AAC blocks and plastered walls
- Existing tile or mosaic surfaces
- PVC coverings, plastic-laminated boards
- Steel and non-corrosive metals (cleaned and primed)
- Fiberglass or GRP (after surface preparation)

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

GROUTING

Grouting of tile joints can be started after 12 hours of tile placement using a suitable cementitious or epoxy-based grout. Ensure the adhesive has cured completely and tiles are fixed firmly before beginning. For areas exposed to moisture or chemicals, use high-performance grouts for better longevity and protection.

RECOMMENDATION

- 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

MultiBond PU Adhesive is meant for professional use only. Applicators must be trained and follow standard safety practices during use. Avoid direct skin and eye contact, and wear suitable protective gear. In case of contact, rinse thoroughly with water and seek medical help if needed. Keep the product away from children, food items, and sources of heat. Store in a cool, dry place with the lid tightly closed. Dispose of unused material as per local regulations.

SAFETY FEATURES

Store MultiBond PU Adhesive upright in a tightly sealed container, away from moisture and direct sunlight. Keep it out of reach of children and food items. In case of accidental ingestion or exposure to skin or eyes, seek immediate medical attention. Use protective gloves and eyewear during handling. Wash skin thoroughly after use. Avoid inhaling fumes in unventilated areas.

PACKAGING: 4Kg, 8kg.

TECHNICAL SUPPORT

Manufactured By Industrial 9-Warehouse, Behind Shirawi Enterprise, Ras Al Khor Industrial Area 2, Dubai, UAE

India Facility: 1025/1/A, Babla Compound, Gaibi Nagar, Kalyan Road, Bhiwandi, Maharashtra – 421302

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