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Technical Data Sheet

MASTIC PRO™

READY-TO-USE TILE MASTIC ADHESIVE LATEX PASTE

PART 1: GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

BULL-BOND® MASTIC PRO™ is a high performance, industrial grade, non-flammable, thin spread, alkali resistant, multiuse tile adhesive. MASTIC PRO™ is a ready to use paste adhesive, for interior installations of ceramic tiles, vinyl tiles, plastic flooring tile, rubber tile, parquet, decorative wood pieces, carpet, linoleum, wall coverings, mosaics and semi-vitreous tiles on walls and floors. MASTIC PRO™ tile adhesive delivers extra strong bonding power with a very high residual tack. The formula is environmentally friendly, with NO toxic chemicals or solvents and has very low odor. MASTIC PRO™ tile adhesive is manufactured with high performance polymers under stringent quality controls to exceed ANSI Standard for Organic TILE ADHESIVES A-136.1 Type I and Type II.

1.2 BASIC USES:

• Paste adhesive for:

- Ceramic tiles
- Vinyl tiles
- Plastic flooring tile
- Rubber tile
- Parquet
- Decorative wood pieces
- Carpet
- Linoleum
- Wall coverings
- Mosaics
- Semi-vitreous tile

1.3 SUITABLE SUBSTRATES:

- Concrete
 - Smooth
 - Porous
- Masonry (CMU Blocks and Bricks)
- Cement Board
- Plaster
- Plywood
- Cement Mortar Bed

1.4 ADVANTAGES:

- Promotes superior adhesion and bond strength
- Ready to use
- Water-based
- Non-toxic

1.5 LIMITATIONS:

- DO NOT install on shower floors or steam rooms.
- DO NOT use adhesive outdoors, in areas subjected to water immersion, constant humidity and/or hydrostatic pressures.
- KEEP TILED FLOORS FREE OF TRAFFIC for at least 24 to 48 hours after installation, depending on ambient temperature. Use plywood boards to protect floor after 24 hours, if occasional pedestrian traffic is unavoidable.
- Avoid impact vibration and hammering on walls adjacent, opposite or near installation for at least 7 days. This precaution is critical to assure a long lasting bond.
- DO NOT apply on chipboard, particleboard, presswood, masonite, metals, or other dimensionally unstable substrates.
- Maximum wall tile size is 10" X 10".
- Maximum porcelain tile size 2" x 2".
- Maximum floor tile size is 10" X 10".
- DO NOT use to install LUG BACK tile on floors.
- DO NOT use to install bathroom fixtures with MASTIC PRO™ adhesive.
- DO NOT use to install natural marble and stones without prior testing. Conduct adhesion testing and check for discoloration to insure product compatibility with stones.
- DO NOT use MASTIC PRO™ if ambient temperature is below 55°F (12 °C).
- DO NOT apply MASTIC PRO™ over any adhesive residues present in walls or floors. It is mandatory to COMPLETELY remove ANY tile adhesive residues. Adhesive WILL NOT work unless ALL tile adhesive residues and DUST are first removed to expose the clean bare substrate.
- Minimum of 28 days water curing is required for all cement based surfaces.
- If tiles will be placed over plywood floors, maximum floor deflection must not exceed 1/360 of the floor span length. Plywood floor construction must have TWO (2) 5/8" thick plywood layers (offset joints) on joists with a maximum separation of 16 inches.

PART 2: TECHNICAL DATA

2.1 PRODUCT CHARACTERISTICS:

COVERAGE		
	TROWEL SIZE	ESTIMATED YIELD
	1/8" V-NOTCHED	50-60 SQ. FT. / GAL.
	1/16" V-NOTCHED	30 SQ. FT. / GAL.
	1/4" x 1/4" Square	20 SQ. FT. / GAL.

PART 3: INSTRUCTIONS

3.1 SURFACE PREPARATION

- All substrates must be dry, porous, structurally sound, thoroughly clean and free of oil, wax, grease, dust, asphalt, existing patching materials or any other contaminant that might act as a bond breaker.
- Remove any loose material, delamination, deteriorated concrete, paint, sealer, mold release agents or water-soluble materials. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur.
- Perform a trial bonding test to confirm suitable of substrate preparation. Stubborn contaminants should be mechanically removed before installation. Concrete must be dry, porous, free of efflorescence and not subject to hydrostatic pressure or direct moisture.
- Smooth concrete surfaces must be mechanically to ensure a good bond. Surface preparation work can be done by grinding, scabbler, or other appropriate mechanical methods to obtain a CSP profile of 3-5. Ambient temperature, surfaces and materials should be below 90°F.
- Rough concrete must be leveled with cement based materials. Do NOT USE gypsum underlayment with this product without previous adhesion testing.

3.1 APPLICATION

1. Apply MASTIC PRO™ using a 1/4" square notched trowel following the recommendations of the tile manufacturer to assure proper adhesive transfer to tile covering at least 80% of the tile back with adhesive. Apply adhesive with flat side off trowel and cover surface with it. Next apply more adhesive and comb the MASTIC PRO™ with trowel notched side removing any excess material from the substrate. DO NOT SPREAD more than what can be covered with tiles in 30 minutes. If adhesive dries superficially or skins; remove it and reapply new MASTIC PRO™. Assure proper adhesives transfer to the tile verifying that at least 80% of the tile back is in contact with adhesives.
2. Place tiles firmly in position into the wet and tacky adhesive. Adjust and align embedded tiles promptly. Beat or twist ALL TILES to ensure a positive bond. Check work regularly for full contact between tile back and adhesive.
3. Clean adhesive from face of tile promptly with soapy water. If adhesive dries, use steel wool or mineral spirits to soften residues of MASTIC PRO™. CAUTION: Mineral spirits a flammable solvent. Avoid open flames and use adequate ventilation.
4. Locate and provide for all expansion and control joints where specified and/or required. Do not cover or fill expansion joints with adhesive. It is important to cut tiles on both sides of the expansion joint to allow joint movement. Install joint materials required before grouting.

3.2 CURING

1. Grout can be installed after 24 to 48 hours after allowing complete curing of MASTIC PRO™ adhesive. Grout with recommended cement based, epoxy based or acrylic polymer based tile grout. Follow manufacturer recommendations and clean promptly to avoid staining of tiles.
2. KEEP TILED FLOORS FREE OF TRAFFIC for at least 24 to 48 hours after installation, depending on ambient temperature. Use plywood boards to protect floor after 24 hours, if occasional pedestrian traffic is unavoidable.
3. Avoid impact vibration and hammering on walls adjacent, opposite or near installation for at least 7 days. This precaution is critical to assure a long lasting bond.

3.5 CLEANUP

Immediately wash hands and tools promptly with water before material hardens. Cured material must be mechanically removed.

PART 4: PRECAUTIONS

Avoid breathing product vapors or mist. Use only with adequate ventilation. Can cause eye, nose and throat irritation. Could be harmful if swallowed. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label and SDS.



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