

MASTERTOP® CHEMSET

Tile setting and grouting compound

DESCRIPTION:

MASTERTOP® CHEMSET compounds are thermosetting epoxy materials for setting and grouting quarry tiles, pavers and ceramic tiles. They offer exceptional resistance to corrosive chemicals and a simplified method of installation.

TYPICAL USES:

Used primarily for setting and grouting of quarry tile, floor brick and ceramic tiles in:

- Dairies and Breweries
- Hospitals
- Bottling Plants
- Textile Plants
- Other food processing and food preparation applications

ADVANTAGES:

- No need for a primer
- 100% solids, no shrinkage
- Good impact resistance
- Cures independently from water
- Bonds tenaciously to all types of masonry, wood, asphaltic membranes and metal
- Easy to install
- (Optional) Crack treatment and waterproof membrane available

COLORS:

Available in Black, Buff, Dark Brown, Dark Grey, Light Grey, Tan, Tile Red, Quarry Red and White.

TYPICAL PHYSICAL PROPERTIES:

Compressive Strength: 5,000 psi (34 MPa) after 7 days
(ASTM C 579)

Tensile Strength: 1,000 psi (7 MPa) after 7 days
(ASTM C 307)

Thermal Shock: 500 psi (3 MPa)
(ANSI A-118-3)

Shrinkage: <0.3%

Bond Strength to Quarry Tile:
(ASTM D 905) 1,000 psi (7 MPa)

Chemical Resistance *

* Please consult your local Master Builders Inc.
Representative for detailed chemical resistance.

LIMITATIONS:

- Heat Resistance Limits:
 - Not recommended for areas exposed to constant 180°F (82°C) water or liquids.
 - Store material in a cool, dry area [50°F to 90°F (10°C to 32°C)] away from direct sunlight, flame or other hazards.
- Movement of sub-floor cracks may transmit through flooring system.
- Effective vapor barrier required beneath substrates in contact with ground.

APPLICATION:

This system is applied only by Master Builders Certified Contractors. Follow detailed instructions in the Certified Contractor Installation Manual.

Surface Preparation:

- Surface and air temperatures must be at least 55°F (12°C) during installation and initial cure.
- Surface should be checked for soundness and any "hollow" areas should be removed. All depressions or spalled areas and cracks should be pre-filled by a Certified Contractor-approved product.
- Concrete substrate should have laitance removed, preferably, by shot blast method. For inaccessible areas, consult manufacturer and/or Certified Contractor for alternate methods of preparation.
- Asphaltic membranes should be sound, rigid and clean; 3/4" T and G, 4S plywood should be fastened with ringed shank nails or screws.
- Detailing work such as injection, patching, treatment of control and expansion joints, as well as cove base installation, shall be per specifier's recommendation.

MAINTENANCE:

Please consult your Master Builders Certified Contractor for maintenance information.

SAFETY:

- For industrial and professional use only.
- For detailed safety guidelines, refer to the product Material Safety Data Sheet (MSDS).

JOB SITE ASSISTANCE:

Master Builders, upon request, may furnish to Purchaser such technical advice, assistance or recommendation(s) as it may be able to reasonably furnish with reference to the use of any material or product delivered hereunder.

Purchaser, however, acknowledges that (i) such advice, assistance or recommendation(s) are being provided as a matter of customer service only, (ii) Master Builders is not providing supervision or quality control, (iii) Master Builders is not being compensated for such advice, assistance or recommendation(s), (iv) Master Builders assumes no obligation or liability of any nature for the advice, assistance or recommendation given or the results obtained, and (v) any final decisions rest with the Owner, Contractor and/or Engineer/Architect, as the case may be.

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