

MASTERTOP® MORRICITE

Epoxy thin-set terrazzo floor system

DESCRIPTION:

MASTERTOP® MORRICITE Epoxy Matrix Terrazzo Systems combine the ageless beauty of terrazzo with modern chemistry technology to produce thin, lightweight floors that are designed for heavy traffic and remain forever beautiful. MASTERTOP MORRICITE is available in two formulations:

- MASTERTOP MORRICITE - Standard Epoxy Matrix.
- MASTERTOP MORRICITE CONDUCTIVE - Conductive Epoxy Matrix meets conductivity requirements outlined in N.F.P.A. Bulletin 99, to dissipate static electricity and provide a safe, functional floor.

SYSTEM COMPONENTS:

The complete MORRICITE System consists of:

- MORRICITE Primer
- MORRICITE MATRIX
- MORRICITE Grout coat
- SEALON
- MORRICITE Membrane (optional)

TYPICAL USES:

- Institutions: hospitals, schools & churches
- Prestige offices, showrooms & lobbies
- Supermarkets, shopping malls, hotels & restaurants
- Public transportation facilities: airports, bus stations, trainstations & rapid transit systems
- Hygienic manufacturing plants, pharmaceutical, laboratory & research facilities
- Conductive type for operation rooms, areas used for flammable storage & aerosol packaging

ADVANTAGES:

- MASTERTOP MORRICITE meets or surpasses N.T.M.A. and T.T.M.A.C. specification for epoxy terrazzo
- MASTERTOP MORRICITE CONDUCTIVE meets N.F.P.A. Bulletin 99
- Reduced weight & thickness
- Matrix is chemical & stain resistant
- Life cycle is cost effective
- Seamless surface & unlimited color patterns allow for total freedom of design
- Divider strips eliminated for free-flowing appearance
- Inherent beauty retained by minimal maintenance.

- Variety of chips can be employed including marble, granite, glass, etc.
- Over 25 years of proven performance
- (Optional) Elastomeric water protection membrane for protection of occupied areas below & to prevent reflective cracking

COLORS:

For colors and patterns, refer to the National Terrazzo and Mosaic Association or Terrazzo Tile and Mosaic Association of Canada for color plates. Please consult Master Builders for information on custom colors.

TYPICAL PHYSICAL PROPERTIES:

Compressive Strength <i>ASTM D 695</i>	12,000 psi (83 MPa)
Tensile Strength <i>ASTM D 638</i>	4,800 psi (33 MPa)
Flexural Strength <i>ASTM C 580</i>	6,700 psi (46 MPa)
Impact Resistance <i>Gardner Impact Tester</i>	100 in•lb
Abrasion Resistance <i>ASTM D 4060</i>	0.045 gm
Hardness Shore D <i>ASTM D 2240</i>	88

LIMITATIONS:

Heat Resistance Limits

- 180°F (82°C) for continuous exposure.
- Effective vapor barrier required beneath substrates in contact with ground.
- Care in aggregate selection required for corrosive exposures.
- Movement of sub-floor cracks may transmit through.
- 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.

APPLICATION:

- This system is applied only by Master Builders Certified Contractors.
- Ensure adequate ventilation during installation per current OSHA standards.

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 rakes should be pre-filled by a certified contractor approved product.
- Optional membrane/crack treatment may prevent reflective cracking of topping. Consult with a Master Builders Inc. Representative.
- 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.
- Detailing work such as injection, patching, treatment of control and expansion joints, as well as cove base installation, shall be according to the specifier's recommendation.

MAINTENANCE:

Sealon, a low viscosity, acrylic sealer may be applied to seal exposed marble, granite and other aggregates - used in the MASTERTOP MORRICITE terrazzo system - from staining. Please consult a Master Builders Certified Contractor for maintenance information.

SAFETY:

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

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