

MASTERTOP® VERSACOLOR X-5

Solvent free epoxy mosaic floor system

DESCRIPTION:

MASTERTOP® VERSACOLOR X-5 Solvent Free floor system is a decorative, monolithic epoxy flooring system that provides an aesthetic, chemically resistant, and durable wearing surface. Using factory blended aggregate, the system can provide the proper gradation of mineral granules that vary in shape and size. The controlled gradation gives greater compaction and density, which, in turn, provides higher compressive and impact strength. MASTERTOP VERSACOLOR X-5 floor system is installed between 3/16" (4.8 mm) and 1/4" (6.4 mm) in thickness.

TYPICAL USES:

- Pharmaceutical plants
- Beverage plants, dairies, breweries, producers & distilleries
- Institutional facilities
- Food processing plants
- Commercial kitchens
- Research & processing labs
- Sewage & water treatment plants
- Animal housing

ADVANTAGES:

- Dense, impervious, clear surface for easy maintenance
- Solvent free, low odor
- Protects sub-floor from chemical or physical attack
- Decorative mosaic patterns provided by the aggregate blend throughout total thickness
- Finished with clear chemical resistant epoxy topcoats
- No volatile organic compounds (VOCs)
- Highly UV stable
- Various degrees of slip-resistance available
- **(Optional)** Elastomeric waterproofing membrane
- **(Optional)** Integral cove, base & curbs

COLORS:

Available in MASTERTOP floor colors. Please consult Master Builders for information on custom colors.

TYPICAL PHYSICAL PROPERTIES:

Compressive Strength <i>ASTM C 579</i>	10,700 psi (74 MPa)
Tensile Strength, Binder <i>ASTM D 638</i>	6,800 psi (47 MPa)
Flexural Strength <i>ASTM C 580</i>	3,520 psi (24 MPa)
Coefficient of Thermal Expansion <i>ASTM C 531</i>	2.3×10^{-5} $^{\circ}\text{F}^{-1}$
Impact Resistance <i>Gardner Impact Tester</i>	>160 in • lb
Abrasion Resistance <i>ASTM D 4060</i>	0.085 gm
Hardness Shore D <i>ASTM D 2240</i>	80
Chemical Resistance* <i>*Please consult your local Master Builders representative for chemical resistance information.</i>	

LIMITATIONS:

Heat Resistance Limits

- 160°F (72°C) for continuous exposure.
- Adequate ventilation must be ensured.
- Movement of sub-floor cracks may transmit through flooring system.
- Effective vapor barrier required beneath substrates in contact with ground.
- 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. Follow detailed instructions in Certified Contractors 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.

SURFACE PREPARATION CONTINUED:

- Optional membrane/crack treatment may prevent reflective cracking of topping. Consult with a Master Builders representative.
- Concrete substrate should have laitance removed, preferably, by shot blast method. For inaccessible areas, consult the 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 specifier recommendation.

MAINTENANCE:

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).

For additional information, contact your local Master Builders representative.

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