

MASTERTOP® Versacolor V-4

Solvent free epoxy mosaic floor system

DESCRIPTION:

MASTERTOP® VERSACOLOR V-4 Solvent Free Floor System is an industrial or commercial, monolithic flooring material that is installed between 3/16" (4.8 mm) and 1/4" (6.4 mm) thick.

MASTERTOP VERSACOLOR V-4 Solvent Free Floor System is finished with clear epoxy resins which provide chemical resistance, scratch resistance and accept heavy abuse from impact and heavy loading.

Factory blended aggregate ensures a proper gradation of mineral granules that vary in shape and size. This controlled gradation gives greater compaction and density, which in turn provides higher compressive and impact strength.

TYPICAL USES:

- Pharmaceutical plants
- Beverage plants, dairies, breweries, soft drink 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
- Highly UV stable
- No Volatile Organic Compounds (VOC)
- Various degrees of slip resistance available
- **(Optional)** Elastomeric water protection 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 (ASTM C 579)	11,000 psi (76 MPa)
Tensile Strength, Binder (ASTM D 638)	6,800 psi (47 MPa)
Flexural Strength (ASTM C 580)	3,520 psi (24 MPa)
Coefficient of Thermal Expansion (ASTM C 531)	2.3 x 10 ⁻⁵ "/° F
Impact Resistance (Gardner Impact Tester)	>160 in • lb
Hardness Shore D (ASTM D 2240)	80
Abrasion Resistance (ASTM D 4060)	0.085 gm

Chemical Resistance*

* Please consult your local Master Builders representative for chemical resistance information.

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.

Limitations, continued

- 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 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.

SURFACE PREPARATION, CONTINUED

- Optional membrane/crack treatment may prevent reflective cracking of topping. Consult with 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 per specifier's recommendation.

MAINTENANCE:

Please consult a Certified Master Builders 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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