

MASTERTOP® MERFLEX A & B

Floor system for water protection membrane and wearing surface

DESCRIPTION:

MASTERTOP® MERFLEX A & B flooring systems are designed for mechanical equipment rooms, under computer access floors or other areas requiring a combined water protection membrane and wearing surface.

The water-based components of MASTERTOP MERFLEX systems are designed to meet fire safety regulations, namely with respect to toxic fumes and fire potential from flammable materials. MASTERTOP MERFLEX systems have been assigned a CLASS A fire rating following ASTM E-84 procedures.

Merflex systems include an elastomeric membrane that provides crack-bridging, and keeps air from entering or leaving a space under various pressures. Fiberglass reinforcing may be incorporated within the system when reduced elastomeric properties are desired.

TYPICAL APPLICATION AREAS:

- Mechanical equipment rooms
- Interior spaces - such as walls, ceilings & floors - where humidity & temperature are micro-controlled
- Access floor systems for computer rooms and modern offices where liquid lines prevail
- Areas requiring an elastomeric water protection surface that can accept heavier traffic
- High tech industry floors

ADVANTAGES:

- Performance benefits of both an elastomeric membrane & a wearing surface - combined in ONE system
- CLASS A fire rating
- No toxic fumes during application
- Stain resistant
- Easily maintained
- Fast installation cycle
- Textured and/or slip resistant finishes for wet areas
- Easily repaired

COLORS:

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

TYPICAL PHYSICAL PROPERTIES:

Tensile Strength ASTM D 412	955 psi (7 MPa)
Tensile Elongation ASTM D 412	500%

Impact Resistance Gardner Impact Tester	100 in • lb
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Hardness Shore D ASTM D 2240	85
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Adhesion in Peel ASTM C 903	37 pli
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Water Absorption ASTM 570	2.6%
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Chemical Resistance*

* Consult your local Master Builders representative for chemical resistance information.

LIMITATIONS:

Heat Resistance Limits:

- Merflex A: 120°F (49°C) for continuous exposure.
Merflex B: 180°F (82°C) for continuous exposure.
- 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 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.
- 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 your Certified Master Builders Contractor for maintenance guidelines.

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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