

MASTERTOP® 1070

Epoxy polymer flooring

DESCRIPTION:

MASTERTOP 1070 flooring is a two component, solvent-free, tough and chemical resistant epoxy coating. It is designed to provide a stipple finish coat to all MASTERTOP aggregate-filled polymer floor systems. MASTERTOP 1070 is available in clear or pigmented versions and can be used as a stand alone coating for floors.

TYPICAL USES:

- Light Industrial or Commercial Floors
- Electronic Equipment Rooms
- Maintenance Garages
- Warehouses
- Storage Areas

ADVANTAGES:

- Good chemical resistance
- Good abrasion resistance
- Easily maintained surface
- Color stable
- Solvent-free
- No Volatile Organic Compounds
- Excellent hiding capabilities
- Fast cure at 55°F (12°C)

COLORS:

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

TYPICAL PHYSICAL PROPERTIES:

Compressive Strength: (ASTM D 695)	5,800 psi (40 MPa)
Abrasion Resistance: (ASTM D 4060)	0.067 gm
Tensile Strength, Binder: (ASTM D 638)	3,164 psi (22 MPa)
Fire Resistance: (ASTM E 84)	Flame spread index 3 Smoke development <5 Classification "1" or "A"

Tensile Elongation: (ASTM D 638)	1.75%
Flexural Strength: (ASTM D 790)	>3500
Hardness, Shore D: (ASTM D 2240)	85
Specular Gloss Factor: (ASTM D 523)	70
Chemical Resistance:	*

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

APPLICATION:

MASTERTOP 1070 flooring can be applied as a coating or as a topcoat over other Master Builders polymer floor systems. 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.
- When applied as a topcoat over the MASTERTOP Flooring Systems, the surface shall have reached its initial cure, should be clean and free of all contaminants detrimental to proper bonding.
- 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 product approved by the Certified Contractor.
- Concrete substrate should have laitance removed preferably by the shot blast method. For inaccessible areas, consult manufacturer and/or certified contractor for alternate methods of preparation.
- Detailing work such as injection, patching and treatment of control and expansion joints shall be per specifier's recommendation. When used for direct applications, all depressions or spalled areas, as well as cracks, should be pre-filled by a product approved by the Certified Contractor.
- Application thickness 5 - 6 mils per coat as topcoat to 1/4" aggregate filled system.

MAINTENANCE:

Please consult a Master Builders Certified Contractor for maintenance information.

LIMITATIONS:

- Heat Resistance Limits:
140°F (60°C) for continuous exposure and 160°F (72°C) for intermittent exposure.
- Do not apply on damp or wet substrates.
- Movement of sub-floor cracks may transmit through coating.
- Store in a cool, dry area [50°F to 90°F (10°C to 32°C)] away from direct sunlight, flame or other hazards.

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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