

ONE SAFE SYSTEM FOR
CASTING, LAMINATING & COATING

MASTER WORKS™ CREATING ILLUSIONS



SETTING THE STAGE

Master Works™ M1 is a two component, pH-neutral acrylic polymer/mineral system that can be hand and spray laminated, cast and injected and is used to build complex stage architecture, finely detailed film sets and props and highly durable sets for ongoing TV productions.

This versatile product can be moulded for multiple production, sprayed onto most substrates and is a universal material for film set builders. It is fire resistant, impact resistant and does not require specialist fabricator training or expensive construction equipment.

Master Works™ M1 provides a fire-resistant coating for EPS and styrofoam.

BENEFITS

- **Low-toxicity:** Water based with water clean-up
- **Fire-retardant:** Significant fire protection for substrates
- **Durable:** Ideal for ongoing production sets
- **Versatile:** Can be moulded, sprayed, filled and pigmented



THEMED BUILDINGS

Master Works™ M1 extreme versatility allows a set designer free range to be creative. Cast panels, modular building systems, colour pigmentation during mixing, plus no limit to casting mass means the wildest fantasy themes are now affordable and simple to construct.

The material is ideal for casino and theme park use Master Works™ M1 offers excellent impact resistance while laminates constructed with Master Works™ Multi-Axial Reinforcement Fabric offer significantly enhanced tensile strength and flexural properties ideal for set building.

Master Works™ M1 replaces conventional resins, GRC and other cementitious products.

BENEFITS

- **Scalable:** No limit to casting mass
- **Good adhesion:** Excellent adhesion to a variety of substrates
- **Non-combustible:** Significant fire protection for substrates
- **Strong:** Can be reinforced for enhanced tensile strength and flex



TEXTURE

Master Works™ M1 is ideal for creating replicas of surface textures. It can be moulded to form textured panels or to replicate sculpted stone and can be sprayed over EPS or styrofoam substrates to simulate rock formations, steel structures and concrete slabs.

The material can be coloured using Master Works™ M Series Pigmentation and can be used as a replacement for marble and sculpted stone. It provides a durable, water resistant surface for almost all internal and external structures. If used externally we recommend the application of Master Works™ Sealer.

Master Works™ M1 is supplied in manageable pack sizes suitable for both location and studio use.

BENEFITS

- **Safe to use:** Not carcinogenic
- **Easy to store and move:** Non-combustible and non-toxic
- **Easy to handle:** Manageable pack sizes
- **Easy to colour:** Pigmentation is added during mix

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Master Works™ M1: Technical Information

ASTM E-84-03, SGS U.S. Testing Company Inc.

Date: 19th April 2004, Tests performed in accordance with specifications set forth in ASTM E-84-03, Standard Test Method for Surface Burning Characteristics of Building Materials. Test results cover two parameters: flame spread and smoke developed values during a 10 minutes fire exposure.

Flame Spread Index: 0 Smoke Developed Index: 0

EN13501-1: 2002 Warrington Fire Date: 5th July 2005

Classification of reaction to fire performance in accordance with EN 13501-1: 2002. Reaction to fire classification: B – s1,d0

BSEN ISO 11925-2 Warrington Fire Research Centre

Date: 19th July 2004

Ignitability when subjected to direct impingement of flame test.

IMO Resolution MSG 61 (67) Annex 1, Part 2

Warrington Fire Research Centre Date: 5th July 2004

IMO/ISO smoke and toxicity test

IMO Resolution A.653 (16) as amended by Resolution MSC 61(67) Warrington Fire Research Centre Date: 23rd June 2004

IMO/ISO surface flammability test

BS EN 13823:2002 (SBI) Warrington Fire Research Centre

Date: 21st July 2004 BS EN 13501-1:2002 fire classification of construction products and building elements, Part 1.



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