

ONE SAFE SYSTEM FOR  
CASTING, LAMINATING & COATING

# MASTER WORKS™ ARCHITECTURE



## ARCHITECTURAL FEATURES & CLASSIC FAÇADES

**Master Works™ M1** is a durable multi-purpose, non-combustible, water-based resinous material suitable for decorative architectural works, building systems and reproduction castings.

The material can be coloured using Master Works™ M1 M series pigmentation and can be used as a replacement for marble and sculpted stone. Master Works™ M1 offers excellent impact resistance and UV stability. Laminates constructed with Master Works™ Multi-Axial Reinforcement Fabric offer significantly enhanced tensile strength and flexural properties.

Master Works™ M1 replaces conventional resins, GRC and other cementitious products and provides fire protection for insulation foams and insulated concrete forms (ICF).

### BENEFITS

- **Low-toxicity:** Water based with water clean-up
- **Cost-effective:** Extremely competitive pricing
- **Durable:** Withstands harsh environments
- **Versatile:** Can be filled and pigmented

## PUBLIC AREAS

**Master Works™ M1** is an extremely versatile, fire-resistant material suitable for decorative building panels, cast objects and architectural detailing.

Highly suitable for replicating expensive surfaces and finishes, Master Works™ M1 can be used to create external and interior features and detailing. The material is water resistant, but if used externally we recommend the application of Master Works™ Sealer.

Master Works™ M1 has been formulated to be non-combustible and will meet most local standards.

### BENEFITS

- **Scalable:** No limit to casting mass
- **Stable:** Consistent dimensional stability
- **Good adhesion:** Excellent adhesion to a variety of substrates
- **Non-combustible:** Significant fire protection for substrates

ONE SAFE SYSTEM FOR  
CASTING, LAMINATING & COATING

MASTERWORKS™

# ARCHITECTURE

## Master Works™ M1: Technical Information

Density (wet)	1.87 kg/Lt - 116 lb per ft3	
Density (dry)	1.75 kg/Lt - 109 lb per ft3	
Pot life (no retarder)	circa 15 minutes	
Pot life (with retarder)	up to 1 hour	
Compressive strength	circa 30 MPA 4,350 lb per inch <sup>2</sup>	
Ultimate hardness	80+ shore D	
Final expansion	0.15%	
CT	23x10 <sup>-6</sup> (1°C)	
Flex (LOP)	20 MPA	2900PSI
Flex (MOR)	55 MPA	8000 PSI
Tensile	36 MPA	5200PSI



Puma Polymers, PO Box 5413, 2003 Curtain Pole Road, Chattanooga, Tennessee 37406 USA  
Tel: 877-744-0499 toll free. Tel: + 1 423 697-0499  
[www.pumapolymers.com](http://www.pumapolymers.com)