

## William Ivor Stone Limited - Composite Technology Consultants

PO Box 85, Ludlow, SY8 2WB, United Kingdom

Tel: +44 (0) 1584 856 715 Fax: +44 (0) 1584 856 714 email [william@masterworks.co.uk](mailto:william@masterworks.co.uk)

## Sealer

### Introduction

The Master Works™ Sealer is a water based coating formulated on a combination of pure acrylic polymers, for application onto components made from the Master Works™ M1 resin system.

The use of this sealer is to impart additional protection from environmental pollution, dirt pick up and moisture ingress in exterior locations and protect against surface damage and marking in high traffic interior applications.

Due to its sealing capability and protective ability the Master Works™ Sealer will improve the overall durability and longevity of Master Works™ components.

### Features / Benefits

- Excellent UV resistance.
- Highly durable with good surface hardness.
- Good mar resistance.
- Excellent resistance to dirt pick up.
- Environmentally compliant.
- Maintains a matt surface appearance.
- Quick drying.
- Non yellowing.
- Excellent long term adhesion.
- Water dilutable and wash up.

### Guidelines to Use

Surfaces to be sealed should be free from grease, oil, dirt and dust.

The Master Works™ Sealer can be applied directly as supplied or diluted with up to 20% water. Dilution will provide better surface penetration and maintenance of the original matt surface appearance of Master Works™ M1.

Application by brush, roller or soft cloth that is free from lint or loose fabric or by conventional spray.

Dependant on conditions the sealer will be touch dry within 15 minutes and can be over coated after 30 minutes. Multiple coats of sealer will improve its sealing and protective capabilities but will also change the surface appearance from matt to a mid sheen due to the build up of the polymer film.

Master Works™ Sealer can be pigmented with M1 pigments to create patinas to create different decorative effects. By using this decorative technique the sealer has a dual function of decoration and sealing. Subsequent coatings can be applied in the field provided the surface cleanliness criteria listed above are complied with. Tools and brushes can be cleaned with water.

### Application Areas

For external components made from Master Works™ M1 where there is a requirement to protect the surface from environmental/atmospheric contaminants and therefore maintain the product's original appearance and enhance its durability.

### Technical Information

Viscosity	
Brookfield LV DV1 spindle 4 at 60 rpm):	200-400 cps
S.G.	1.04
Solids:	40.4%

Drying time:	Touch dry	15 mins @ 23°C/73°F
	Dry to handle	25 mins @ 23°C/73°F
	Overcoating	30 mins @ 23°C/73°F

Practical spreading rate:	8-10m <sup>2</sup> /lt - 4-500 ft <sup>2</sup> per pack	
Flash point:	non flammable	
Thinning:	water	
Cleaning:	water	

### Application Environment:

	Surface Temp	Ambient Temp	Relative Humidity
Min:	5C/41°F	5C/41°F	-
Max:	40C/104°F	40C/104°F	85%

Master Works™ Sealer has been exposed to weatherometer (QUV) in excess of 2,000 hours and has shown no change to surface appearance. This test was conducted by Rohm and Haas research of Valbonne, France.

#### DISCLAIMER OF LIABILITY

The information above is given in good faith as a guide for material use. However it remains at all times the responsibility of the customer to ensure that the material is fit for the particular purpose intended. The Master Works Trade Mark is the property of the Rohm and Haas Corporation.