

# MASTER WORKS™



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## M2

### Introduction

Master Works™ M2 is formulated as a milling media for the manufacture of patterns (plugs). Master Works™ M2 is a low toxicity, acrylic mineral composition.

This two component product is designed to be compatible with existing Master Works™ spray equipment.

Master Works™ M2 can be used over rough milled EPS forms or other forms to provide a machinable surface coating at any thickness required. It is also suitable for hand working.

Master Works™ M2 has a specific gravity of circa 1.25kg/l (77.5lb per cu ft). It machines well giving high quality surface characteristics and good edge definition and minimal dust generation.

Master Works™ M2 evolves no toxic dust or vapors during the machining process.

### Features / Benefits

- Easy to use with simple mix ratios
- Water based with water clean up
- Low toxicity
- Non combustible
- Low odour
- Dimensionally stable
- Low exotherm on set (30°C)
- Good adhesion to a variety of substrates
- Non-hazardous waste
- Can be continuously processed
- Will accept a variety of coatings

### Processing

The material is supplied as two liquid components A and B that must be mixed together in a simple volume ratio of 2 parts Component A and 1 part Component B.

### Application Areas

- General milling and pattern making
- Overcoating of rough EPS shapes
- Overcoating of hand carved EPS
- Can be sculpted by hand

### Technical Information

|                   |  |
|-------------------|--|
| Density (wet)     | 1.4 kg/lit or 86.8lb per ft <sup>3</sup> |
| Density (dry)     | 1.25 kg/lit or 77lb per ft <sup>3</sup>  |
| Initial set time  | 16 - 20 minutes                          |
| Ultimate hardness | circa 58 shore D                         |
| Final expansion   | 0.075%                                   |



#### 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.



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## MASTER WORKS™ Spray Machine

### Introduction

This equipment is designed to work with Master Works M Series products. It is sturdy in its construction and works through a variable speed reduction gearbox with chain drives to two progressing cavity pumps (Worm Pumps).

All material contact parts are stainless steel or non ferrous. This machine can be used either for spray or casting applications. Spray applications include spray lamination and coating of milled foam forms or application of paste. Also designed for onsite use for the spray coating of insulation foams and insulated concrete form structures

### Features / Benefits

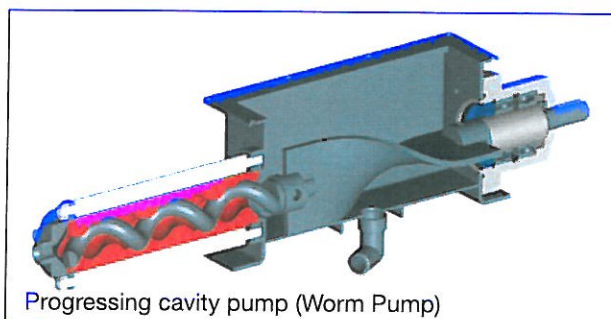
- Simple to operate
- Easy to clean
- Pneumatic valve chest (Optional)
- Pressure sensors and auto shutdown if reservoirs empty (Optional)
- Various spray gun options, easily changed
- Static mixer, easily changed
- Remote Mixing Manifold

### Application Areas

- In-mould spray laminating
- Decorative carved foam coating
- Overcoating, EPS or other foam for five axis milling
- Application of paste for milling
- Solid casting
- Injection
- Fire Protection

### Specification

|                      |                             |
|----------------------|-----------------------------|
| Electric Motor       | Single Phase                |
| Voltage              | 220v                        |
| Frequency            | 50/60hz                     |
| Power                | 2 Hp                        |
| Max Consumption      | 9 Amps                      |
| Minimum Water Supply | 1 Cfm @ 60 psi              |
|                      | 28lpm @ 4 bar               |
| Minimum Air Supply   | 50 Cfm @ 90 ps              |
|                      | 1400lpm @ 6 bar             |
| Freeflow Max Output  | 12 Lbs Per Min/5.4 kg       |
| Water Inlet          | 3/4" Bsp                    |
| Air Inlet            | 1/4" Bsp (Male)             |
| Dimensions (imp)     | 48"(L) X 30"(H) X 30"(D)    |
| Dimensions (mm)      | 1220(L) X 750(H) X 750mm(D) |
| Weight               | 136 Kg/300 LBS (Nominal)    |



Progressing cavity pump (Worm Pump)



Spray machine



Using the spray machine



Application of paste

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