

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 ³
Density (dry)	1.25 kg/lit or 77lb per ft ³
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

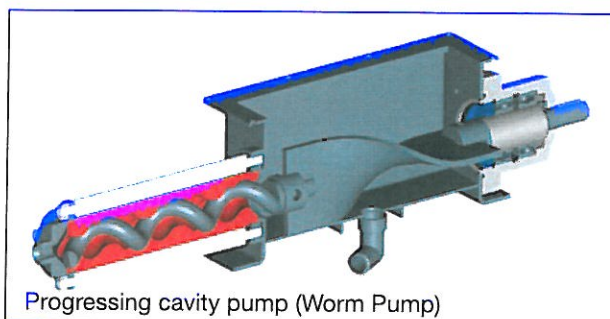
- Simple to operate
- Easy to clean
- Pneumatic valve chest (Optional)
- Pressure sensors and auto shutdown if reservoirs empty (Optional)
- Various spray gun options, easily changed
- Static mixer, easily changed
- Remote Mixing Manifold

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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