Product Data Sheet:

MasterCast 1-2-1

Artwork Resin

400g, 2kg, 4kg, 10kg, 50kg

Clear

MasterCast 1-2-1 Clear Artwork Casting Resin is a two-component epoxy resin that produces an optically clear, high gloss finish and is particularly suited to resin art. It can be used on many surfaces such as canvas, wood, MDF, glass, Perspex, concrete and metal.

MasterCast self-levels to form a perfectly flat and shiny finish. Once cured, MasterCast provides a clear art coating resin that won't shrink or distort over time. It can be applied by pouring or brush/roller and cures at ambient temperatures. It has excellent UV resistance, clarity and transparency making the resin system suitable for the protection of just about any creative project.

- Solvent and odour free
- Safe to use – ASTM certified
- High build formula
- Exceptional UV resistance
- Non-flammable

HOW TO USE IT:

Mixing

Mixing Ratio: By weight: 100 parts resin to 90 parts hardener, By Volume: 100 parts resin to 100 parts hardener. The mixing ratio must be accurately followed. It is not possible to change the ratio. This would result in lower mechanical properties and the resin not drying properly. The mixture must be thoroughly stirred to ensure full homogeneity. Epoxy systems tend to heat up much faster in a pot than as a thin film. Mix only the necessary amount usable within the pot life. Mix until it is a uniform colour & consistency (usually 3-4 mins).

Mixing

Apply by hand pouring or brush/roller. The resin can be tinted any colour with the addition of polymer pigments available in all solid and translucent colours.

LEVEL: Ensure your piece is perfectly flat and level, otherwise the resin will run to the lowest point and pool in the centre, leaving too little resin at the corners. On large canvas paintings / pictures you should tighten the canvas as much as possible or place a board underneath to support it uniformly.

BUBBLES: Any bubbles created by hand mixing can be easily popped by using a sharp object or by passing warm air over the surface of the resin with a blowtorch or hot air dryer on slow speed settings. Do not hold closer than 30cm to your artwork otherwise you risk creating ripples and dimples in the resin finish. If you use alcohol inks DO NOT use a flame to remove the bubbles, as alcohol is flammable.

DUST: You will need to protect the piece from dust accumulation for at least 12-24 hours. You can do this by using a dustsheet or a box to cover the piece.

CURING TIME / POT LIFE @ 22°C:

• Touch dry	6-8 Hours
• Full cure	5-7 Days
• Pot time	25-30 minutes

Shelf Life

One year in sealed containers. Keep containers away from heat or cold.

SAFETY

Refer to the Material Safety Data Sheet for information on correct handling and application of the product.