MAS
TIME SAVING EPOXY RESINS

TABLE TOP PRO

HIGH-BUILD CLEAR RESIN SYSTEM FOR TABLES, BARS AND ART

TECHNICAL DATA BULLETIN

SYSTEM BENEFITS:

The MAS Table Top Pro Epoxy System is a 100% solids, two-component system. It has a one-to-one by volume mix ratio and cures at room temperature. It can be used for tabletops, bar tops and art. It cures to a clear, glass-like finish that resists scratching and yellowing. The system demonstrates excellent anti-blushing properties and will not distort with age.

- Cures clear for a high-gloss durable finish
- Ideal for bars and tabletops to protect wood from damage
- Versatile product can be used on art, tables, small castings and other projects

HANDLING PROPERTIES	MAS TABLE TOP PRO	Test Method
Resin Density at 25°C, lbs/gal	9.7	ASTM D1475
Hardener Density at 25°C, lbs/gal	8.3	ASTM D1475
Resin Viscosity at 25°C, cP	9,000	ASTM D2196
Hardener Viscosity at 25°C, cP	1,750	ASTM D2196
Mix Ratio by Weight	100A : 85B	Calculated
Mix Ratio by Volume	1A : 1B	Calculated
Initial Mixed Viscosity 25°C, cP	3,500	ASTM D2196
Gel Time at 25°C, 150g mass, min.	40	ASTM D2471

PHYSICAL PROPERTIES	MAS TABLE TOP PRO	Test Method
Color	Clear	Visual
Izod Impact, Notched, ft-lb/in	0.83	ASTM D256
Tensile Strength, psi	9,200	ASTM D638
Tensile Modulus, psi	480,000	ASTM D638
Tensile Elongation, %	3.6	ASTM D638
HDT, Room Temp Cure, °F	118	ASTM D648
HDT, Post Cure, °F	124	ASTM D648
Compressive Strength, psi	13,000	ASTM D695
Compressive Modulus, psi	398,000	ASTM D695
Flexural Strength, psi	14,800	ASTM D790
Flexural Modulus, psi	446,000	ASTM D790
Cured Density, g/cm^3 (lbs/in^3)	1.11 (0.040)	ASTM D792
Volumetric Yield, in^3/lb	25.0	ASTM D792
Volumetric Shrinkage, %	3.85	ASTM D792/2196
Hardness, Shore D	82	ASTM D2240

INSTRUCTIONS FOR USE:

For best results this product should be used at 70-80°F. A thin seal coat should first be applied to the tabletop or bar top and any objects that will be imbedded. Delicate objects that may be damaged by epoxy resin such as photographs may needed to be sealed with an alternate clear coat (i.e. polyurethane or acrylic sealers) to protect them prior to imbedding. Once the seal coat has set, additional flood coats up to 1/8" thick may be applied. The MAS Table Top Epoxy Resin System can usually be recoated in 4-8 hours without any additional prep work or sanding. If the previous layer is allowed to fully dry, the surface should be scuff sanded with 220-320 grit sandpaper for optimal adhesion between coats. After sanding the surface should be wiped with a solvent such as acetone or denatured alcohol to remove dust and other contaminants. Allow the surface to dry before applying the next coat. Although resistant to yellowing, this product is not recommended for continuous outdoor exposure to UV light and finishes may slowly lose their gloss or discolor over time if left outdoors. For product application tutorial and additional information visit www.masepoxies.com or call at 1-800-755-8568.

MIXING:

Combine the epoxy resin (Part A) and hardener (Part B) at the specified mix ratio of 1 to 1 by volume and mix for 3-5 minutes or until mixture is thoroughly blended. Take care when mixing not to entrain excessive air in the mixture. Always use clean dry tools for mixing and applying. Flood coats will flow and self level, but tools such as brushes, plastic spreaders and squeegees may be used to help spread the mixed epoxy resin. A few minutes after the coat is applied bubbles will rise to the surface. A propane torch held six inches above the surface of the epoxy resin may be used to break bubbles by slowly sweeping the torch back and forth over the surface until bubbles disappear.

STORAGE AND CRYSTALLIZATION:

Store between 60-90°F in a dry place. After use, tightly reseal all containers and store products on a raised surface during cold weather and avoid storing near outside walls or doors. If available, purge with dry nitrogen to preserve color and minimize moisture contamination. Do not allow to freeze during winter storage. Do not use material with any signs of crystallization such as solid chunks, grainy texture or white color. Crystallization can be reversed by heating the material to 125-140°F, and stirring occasionally, until all crystals dissolve.

SAFETY HANDLING:

Wear protective gloves, clothing, and eye/face protection. Use only outdoors or in a well-ventilated area. Avoid contact to the skin and eyes. Avoid breathing dust, fumes, gas mist, vapors and spray. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. These products may cause skin and respiratory allergic reactions. Consult product Safety Data Sheets for complete precautions for use of this product.

Endurance Technologies, Inc. has experience only in the compounding of resins and hardeners and not in the actual manufacture of tools or parts. Each piece is different. The user should run tests to assure the suitability of the system for use in a particular application. The test data and results set forth herein are based on laboratory work and do not necessarily indicate the results that the buyer or user will attain.

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