



TECHNICAL DATA BULLETIN

TABLE TOP EPOXY

TotalBoat Table Top Epoxy is a 100% solids, two-component, one to one by volume room temperature curing epoxy resin system for coating bar tops and table tops. It cures to a clear, glass like finish that resists scratching and yellowing. The system demonstrates excellent antiblushing properties and will not distort with age.

HANDLING PROPERTIES

	<u>VALUE</u>	<u>TEST METHOD</u>
Resin Density at 25°C, lbs/gal	9.7	ASTM D1475
Hardener Density at 25°C, lbs/gal	8.1	ASTM D1475
Resin Viscosity at 25°C, cP	9,000	ASTM D2196
Hardener Viscosity at 25°C, cP	2,000	ASTM D2196
Mix Ratio By Weight	100A : 83B	Calculated
Mix Ratio By Volume	1A : 1B	Calculated
Mixed Viscosity at 25°C, cP	3,500	ASTM D2196
Gel Time at 25°C, 150g mass, min.	30	ASTM D2471

PHYSICAL PROPERTIES

	<u>VALUE</u>	<u>TEST METHOD</u>
Color	Clear	Visual
Izod Impact, Notched, ft-lb/in	0.76	ASTM D256
Tensile Strength, psi	7,400	ASTM D638
Tensile Modulus, psi	382,000	ASTM D638
Tensile Elongation, %	5.9	ASTM D638
HDT, Room Temperature Cure, °F	118	ASTM D648
HDT, Post Cure, °F	124	ASTM D648
Compressive Strength, psi	10,400	ASTM D695
Flexural Strength, psi	12,800	ASTM D790
Flexural Modulus, psi	373,000	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/D1475
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 table top or bar top and any objects that will be imbedded. Delicate objects that may be damaged by epoxy resin such as photographs may need 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.

TotalBoat TableTop Epoxy 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 sand paper 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.

MIXING AND HANDLING:

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:

Store at 60-90°F in a dry place. After use, tightly reseal all containers. Store products on a raised surface off the floor during cold weather and avoid storing near outside walls or doors. Epoxy resins that are contaminated with dust or moisture, or are subjected to low temperatures may crystallize. Do not use material that has any sign of crystallization until it has been liquified. A crystallized resin or hardener can be returned to its original state by heating the material to 140°F to 150°F and stirring until it returns to the liquid state.

SAFETY HANDLING:

Work in well ventilated areas using gloves, eye protection and clothing protection. Avoid contact to the skin and eyes. Avoid clothing contamination. Wash thoroughly after handling. These products may cause skin and respiratory allergic reactions. Consult Material Safety Data Sheets for complete precautions with this product.

Jamestown Distributors 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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