POTABLE WATER TANK RESIN

MAS Potable Water Tank Resin is a low viscosity epoxy laminating resin designed for building integral fiberglass potable water tanks. This resin produces a tough fiberglass laminate with good chemical resistance. It is not recommended for use as a secondary coating to finish or repair existing integral potable water tanks constructed with other materials.

Features:

This resin is formulated entirely with substances that comply with U.S. FDA Regulations 21 CFR 171.105 and 21 CFR 171.300 for adhesives and coatings that may be safely used as components of articles intended for use in packaging, transporting or holding food.

Storage & Handling:

Store at 60-100ºF in a dry place. After use, tightly reseal. (This product may crystalize during storage. If crystalized, vent container and heat to 125-145ºF until crystals dissolve. Stir well after product has liquefied.) Always use clean dry tools for mixing and applying. Mix according to the mix ratio stated for the specific product as listed on the front page. Mix together thoroughly and use immdediately. Material temperatures should not be below 65ºF when mixing.

PHYSICAL PROPERTIES	Value	Test Method
Color	Clear	Visual
Hardness, Shore D	82	ASTM D2240
Tensile Strength, psi	9,500	ASTM D638
Tensile Modulus, psi	430,000	ASTM D638
Tensile Elongation, %	4.0	ASTM D638
Compressive Strength, psi	11,000	ASTM D695
Flexural Strength, psi	12,500	ASTM D790
Flexural Modulus, psi	435,000	ASTM D790
HDT, Room Temperature Cure, °F	140	ASTM D648
HDT, Post Cured, °F	150	ASTM D648

HANDLING PROPERTIES	Value	Test Method
Resin Density at 77°F, g/cm³	1.11	ASTM D1475
Hardener Density at 77°F, g/cm³	0.98	ASTM D1475
Hardener Viscosity at 77°F, cP	500	ASTM D2196
Resin Viscosity at 77°F, cP	1,100	ASTM D2196
Mixed Viscosity at 77°F, cP	700	ASTM D2196
Mix Ratio by Weight	100A:50B	Calculated
Mix Ratio by Volume	100A:57B	Calculated
Gel Time at 77°C, 150g mass, min.	40-45	ASTM D2471
Demold Time at 77°F,150g mass, hrs.	4-6	--