



TECHNICAL DATA SHEET TDS for Rodmaster 6600 METHACRYLATE ADHESIVE

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DESCRIPTION:

Rodmaster 6600 is a high performance two part methacrylate adhesive engineered for rodding natural stone. It offers outstanding bond strength, is extremely durable, with excellent impact and weathering properties. Rodmaster 6600 greatly increases the durability of rodded stone, improving the stone's load capacity up to five times compared to polyesters and other adhesives. It offers exceptional flexibility, the ability to withstand extreme temperature fluctuation and thermal cycling and resistance to a wide range of chemicals and environmental conditions. In addition, the Rodmaster 6600 offers exceptional bonding capability to a wide range of substrates, including metals, plastics, composites and ceramics making it suitable for many other applications.

PHYSICAL PROPERTIES (UNCURED):

VISCOSITY @ 25°C (cps):	RESIN	60,000
	ACTIVATOR	60,000
COLOR:	OFF WHITE	AMBER.SHELL
MIXED DENSITY:	8.20	
MIX RATIO:	VOLUME	1 TO 1
	WEIGHT	1 TO 1
THIX INDEX:	5	
FLASH POINT:	51°F	

PHYSICAL PROPERTIES (CURED):

STRENGTH (PSI):	SHEAR	>2500
	TENSILE	>2500
WORK TIME:	4 MINUTES	
HANDLING STRENGTH:	10 MINUTES	
GAP FILL: UP TO .125 INCH		
TEMPERATURE RANGE:	-67°F - +250°F	

WHAT THE MP SERIES BONDS:

METALS

- *ALUMINUM
- *STEEL
- *STAINLESS
- *COATED METALS

THERMO SETS

- *FIBERGLASS
- *PHENOLICS
- *GEL COATS
- *EPOXY
- *RIM URETHANE
- *POLYURETHANE
- *LIQUID MOLDING RESINS

THERMO PLASTICS

- *ACRYLICS
- *ABS
- *POLYCARBONATES
- *NYLONS
- *PPO's
- *VINYL'S
- *PVC's
- *STYRENE'S
- *PEEK's
- *PBT BLENDS
- *PET BLENDS

BENEFITS:

- >NO SURFACE PREP
- >EXCELLENT STRENGTH
- >IMPACT RESISTANT
- >100% REACTIVE
- >ROOM TEMPERATURE CURE
- >EASILY APPLIED

EFFECTS OF TEMPERATURE:

The product is best used at temperatures between 65° F and 80° F. Temperatures below 65° F will slow the cure speed of the material and viscosities will be higher. Temperatures above 80° F

will cause the material to cure faster and viscosities will be lower. For consistent dispensing maintain temperature in the above mentioned range.

STORAGE AND SHELF LIFE:

The shelf life of the Rodmaster 6600 is one year from date of shipment. Shelf life is based on the products being stored properly at temperatures between 55° F and 75° F. Exposure to temperatures above 75° F will reduce the shelf life of these materials.

PRECAUTIONS:

Rodmaster 6600 is *flammable*. Keep away from heat, spark, and open flames.

KEEP OUT OF REACH OF CHILDREN. THE PRODUCT IS FOR INDUSTRIAL USE ONLY. Keep containers closed when not in use. Avoid contact with skin and eyes. Harmful if swallowed. Refer to Material Safety Data Sheet for complete safety information.

HANDLING AND CLEAN-UP:

For optimum bond strength and to insure maximum performance in the finished assembly mate parts together within the specified work time of the adhesive. Make sure the bond joint has uniform coverage and that a sufficient amount of adhesive is in the bond area. It is important to have the adhesive applied, parts aligned and positioned, within the established work times for the product. To ensure maximum performance in the finished assembly parts should remain undisturbed until the fixture time is reached.

Clean up is best before the adhesive has cured. Cleaners containing NMP (N-methyl pyrrolidone) or Citrus terpene provide the best results. On cured adhesive repeat use may be required.

For best performance, slots should be cut in the stone slightly larger than the size of the rod to be used. Our recommendation is to create a slot .016"-.02" wider and .008"-.010" deeper than the dimensions of the rod. The gap around the rod should be no larger than 1/32". This creates better performance and eliminates wasted adhesive. We also recommend Chemical Concepts steel core fiberglass wrapped rodding or Chemical Concepts fiberglass rodding to prevent rust/corrosion related issues.

WARNING: Excessively large slots result in a large mass of adhesive which will shrink at higher rates than normal use. Due to the high strength of the adhesive, this shrinkage can potentially cause surface cracks or otherwise weaken the stone. Do not cut slots that are more than 1/32" larger than the rod on all sides.

NON WARRANTY:

Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. The Company shall not be liable for any injury, loss, or damage in the use of its chemical products since conditions or use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. These products are for industrial use only.