



A Division of Royal Adhesives & Sealants LLC



An ISO 9001:2008 Certified Company

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Maximum Performance Series MP 56550 Optically Clear Urethane Adhesive

Description:

MP 56550 is a medium-hardness, highly flexible two-component polyurethane system designed for bonding or potting applications requiring high optical clarity and UV resistance. The MP56550 can bond various plastics and composites including ABS, Polycarbonates, and Acrylics. The polyurethane can also bond many primed and/or etched metals.

It was especially formulated to a 1A:1B volume mix ratio for use in side-by-side dispensing cartridges and meter/mix and dispense equipment. MP56550 will reach handle cure at room temperature within 45 to 60 minutes. Cure time can be accelerated by the application of heat.

INSTRUCTIONS:

- 1) Bring to room temperature before use.
- 2) Weigh and mix parts A and B accurately and thoroughly, scraping sides of container often. Pre-bleed side-by-side cartridges, discarding the first 3 inches of dispensed material. Maintain adequate velocity during dispensing to ensure complete mixing.
- 3) Allow to cure undisturbed.

Handling and Physical Properties:

All properties given are at 25°C unless otherwise noted.

Color		clear
Viscosity	Part A	2500 cps
	Part B	1500 cps
	Mixed	2000 cps *
Specific Gravity	Part A	1.1
	Part B	1.1
	Mixed	1.1
Pot Life		2-3 minutes
Mass		10 grams
Hardness Shore - D		65 - 70
Temperature Range		-60 to 150°C
Tensile Elongation		163%
Tensile Strength		2845 psi *
Tensile Lap Shear		1400 psi
Aluminum		
Tensile Lap Shear		1800 psi
Steel		
Tensile Lap Shear		500 psi
Acrylic (Substrate Failure)		
Tensile Lap Shear		400 psi
Polycarbonate (Substrate Failure)		

MIX RATIO:

Mix Ratio (Part A to B):	
by weight	100 to 100
by volume	1 to 1

CURE SCHEDULE:

18 hours at 25°C
or 2 hours @ 80°C

SHELF LIFE:

6 Months

NON WARRANTY: Information contained herein is based on test and information we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. ASI shall not be liable for any injury, loss, or damage, in the use of its chemical products since the conditions of 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 or to use our products in the infringement of any patent. These products are for Industrial Use only.

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