arcoplast A-2020
Structural Methacrylate Adhesive

High-strength bonding for Interior Structural architectural finishes

A-2020 is a two-part methacrylate, structural bonding adhesive designed for structural bonding of interior architectural finishes such as wall and ceiling panels, finishing trims, moldings, complex shapes and applications, eliminating the need for exposed fasteners. A-2020 has a working time of 30 to 50 minutes and achieves nearly 90 percent of its ultimate strength in 100 to 150 minutes at room temperature curing. A-2020 provides high strength bonds to engineered polymer finishes (acrylic and polyester), fiberglass, engineered stone, quartz surfaces and naturals stone to steel clips, rods, fiberglass and other materials. A-2020 bonds very strongly to steel, stainless steel, and aluminum framing and structural members.

CHARACTERISTICS:

Room Temperature Cure	Properties
• Working Time	30 to 50 minutes (at 75°F/ 24°C)
• Fixture Time	100 to 150 minutes (at 75°F/ 24°C)
• Can be Moved In	180 to 240 minutes
• Operating Temp.	65°F to 85°F (18°C to 30°C)
• Gap Filling	.250 inches
• Mixed Density	8.1 lbs/gal (.96 g/cc)
• Flash Point	51°F (11°C) – See SDS for more safety information

CHEMICAL RESISTANCE:

Excellent Resistance to:	Susceptible to:
Hydrocarbons	Polar Solvents
Acids and Bases	Super Strong Acids and Bases

PHYSICAL PROPERTIES:

Uncured:	Resin	Activator
Viscosity (cps)	100,000 – 150,000	100,000 – 150,000
Color	Translucent	Amber
Density (lbs/gal)	8.2	8.0
Mix Ratio (wt or vol) 1.0	1.0	
Mixer Recommendation	Cartridge (400 ml):	MBQX 08-24T – Square 24 element White/Green Mix Tips (1.1)

MECHANICAL PROPERTIES:

Tensile Strength (ASTM D63B)	Substrate	Results	Failure Type
Strength, psi	Engineered Polymers	2,000 - 3,000	Cohesive
Strength, psi	Gel Coat Surface	2,000 - 3,000	Substrate
Strength, psi	Steel/Stainless Steel	1,800 - 2,500	Cohesive
Strength, psi	Aluminum	1,800 - 2,500	Cohesive

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WALL AND CEILING SYSTEMS
Interior Systems for Critical Environments

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