

arcoplast A-5050

Acryloyl Surface Repair Compound

Surface Restoration and Repair Kit for Acryloyl Engineered Polymer Surfaces

A-5050 is a two-component blended methacrylate compound developed specifically for filling Acryloyl Engineered Polymer panel surface scratches, cracks, deep gouges and various panel perforations including core inserts, facilitating a full panel surface restoration.

The A-5050 methacrylate compound is formulated to quickly harden and is easily sanded down to the original panel thickness and then polished to restore the Acryloyl panel's

original high gloss surface resulting in a seamless surface finish. The A-5050 product is UV stable, has similar ingredients to the Acryloyl panels, giving the finished product similar hardness and gloss when polished properly.

The A-5050 10:1 mix ratio cartridge fits most hand operated dispenser guns with a 10:1 mix plunger. These dispenser tools are easy to use and cost effective, eliminating excess waste material, measuring and mixing equipment, messy and time-consuming cleanups.

The A-5050 restoration compound is packed in a single 50ml – 10:1 mix ratio cartridge and neatly packaged in a plastic bag with two Quadro mixing nozzle tip 10:1 mix ratio.

CHARACTERISTICS:

Room Temperature Cure Properties

• Working Time	20 to 30 minutes (at 75°F/ 24°C)
• Fixture Time	40 to 60 minutes (at 75°F/ 24°C)
• Can be Sanded In	90 minutes
• Operating Temp.	65°F to 85°F (18°C to 30°C)
• Gap Filling	.250 inches
• Mixed Density	0.5 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)	50,000 – 70,000	8,000 – 15,000
Color	White	Clear
Density (lbs/gal)	9.3	7.5
Mix Ratio (wt or vol) 1.0	10	
Mixer Recommendation	Cartridge (50 ml):	MBQX 05-24T – Square 24 element Pink/Grey Mix Tips (10:1)

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	1,000	Cohesive
Strength, psi	Aluminum	1,000	Cohesive