



# 10-3044 EPOXY SMT STENCIL ASSEMBLY ADHESIVE

## DESCRIPTION:

10-3044 is a two component epoxy adhesive and sealant. This structural adhesive has excellent chemical and heat resistance. 10-3044 is widely used as a stencil and screen adhesive due to its bonding strength and toughness. It has been used extensively to bond polyester mesh to aluminum frames and for the bonding of stainless steel foil to polyester mesh.

## BENEFITS:

- Bonds to a variety of substrates
- Resistant to severe chemical environments
- High operating temperature
- Fast Curing
- Resistant to shock, vibration and flexing

## TYPICAL SPECIFICATIONS:

Color	White, Gray or Green
Viscosity, 25°C	
Resin	175,000 cps
Hardener	110,000 cps
Mix Ratio	
By weight	100:55
By volume	100:50
Specific Gravity, 25°C	
Resin	1.49
Catalyst	1.65
Hardness, Shore D	88
Operating temperature range, °C	-60° to +140°
Dielectric Strength, V/mil	450
Dielectric Constant, 1 MHz	3.8
Dissipation Factor, 1 MHz	.06
Tensile lap shear, psi	3,000



### STENCIL CLEANING COMPATIBILITY TESTING:

Zestron America tested 10-3044 Epoxy with VIGION SC200 cleaning solution and found the 10-3044 to be **fully compatible**. Summary of test results:

Equipment	Systronics Sys 152/2 & PPC – N29TP
Cleaning Agent	VIGION SC 200 (25%)
Exposure Time	2,400 minutes (160 15 min. cycles) @ room temperature
Rinsing Agent	DI – water sprayed on parts
Result	Fully compatible (no delamination)

### INSTRUCTIONS FOR USE:

By volume, mix two parts epoxy resin to one part hardener. By weight, mix 100 parts epoxy resin to 55 parts hardener. Mix thoroughly being careful not to introduce excessive air into the mixture.

Apply adhesive/sealant and cure according to one of the following schedules:

- |                           |            |
|---------------------------|------------|
| a) 25°C/77°F              | 2 hours    |
| b) 65°C/150°F             | 15 minutes |
| c) Hot Plate @ 140°-150°F | 10 minutes |

### AVAILABILITY:

10-3044 is available in white, gray and green. It is available in TriggerBond® 200ml or 400ml 2:1 cartridges. Gallon and 5 Gallon packaging is also available.

### IMPORTANT:

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