



# 10-3044 EPOXY ADHESIVE

## DESCRIPTION:

10-3044 is a two-component structural epoxy adhesive and sealant with 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 PROPERTIES:

Viscosity, cps, 25 °C	
10-3044RGR Resin	175,000
10-30444CTA Catalyst	110,000
Mixed	150,000
Available Colors	White, Gray
Hardness, Shore D	88
Mix Ratio	
By Weight	100:55
By Volume	100:50
Operating Temperature Range, °C	-60 to +140
Specific Gravity, 25°C	
10-3044RGR Resin	1.49
10-30444CTA Catalyst	1.65
Tensile Lap Shear, psi	3,000
Dielectric Strength, V/mil	450
Dielectric Constant, 1 MHz	3.8
Dissipation Factor, 1 MHz	.06



**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	VIGON 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:**

1. By weight, thoroughly mix 100 parts 10-3044RGR resin to 55 parts 10-3044CTA catalyst. By volume mix 2 parts resin to 1 part catalyst. If using TriggerBond® cartridges follow dispensing guidelines.
2. Cure according to one of the following cure schedules:
  - a) 25 °C for 2 Hours
  - b) 65 °C for 15 Minutes

Notes: Mix carefully to avoid whipping air into mixture. If needed mix may be degassed under vacuum.

**STORAGE, HANDLING, & SAFETY:**

Store both components at 25 °C. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

**AVAILABILITY:**

This product is available in the convenient TriggerBond® dual barrel cartridges in 50 mL, 200 mL, and 400 mL. Gallon and 5-gallon packaging is also available.

**IMPORTANT:**

**EPOXIES, ETC. MAKES NO EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS OR OTHERWISE WITH RESPECT TO ITS PRODUCTS.** The information in this brochure is based on data obtained by our own research and is considered reliable. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

10/2024