

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:

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.

10/13