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:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Systronics Sys 152/2 &amp; PPC – N29TP</th>
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</thead>
<tbody>
<tr>
<td>Cleaning Agent</td>
<td>VIGON SC 200 (25%)</td>
</tr>
<tr>
<td>Exposure Time</td>
<td>2,400 minutes (160 15 min. cycles) @ room temperature</td>
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<tr>
<td>Rinsing Agent</td>
<td>DI – water sprayed on parts</td>
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<tr>
<td>Result</td>
<td>Fully compatible (no delamination)</td>
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</tbody>
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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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