



EA-001 ONE COMPONENT ADHESIVE



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DESCRIPTION

EA-001 is a single-component urethane adhesive that can be used to bond a variety of substrates on interior or exterior applications. This dispensable adhesive has an adequate working life and will reach handling strength within 4 hours. **EA-001** will bond Polyurethane Boards, wood, stone, metal, concrete, masonry, plastics, styrofoam and more. There is no mixing required and once cured the **EA-001** is 100% waterproof making it an excellent adhesive for any repair inside or out.

HANDLING CHARACTERISTICS @ 25°C/77°F

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|---|--------------------|
| Density | 1.13 grams/cc |
| | 9.4 lbs/gal |
| Viscosity | Dispensable Liquid |
| Work Life | 20 minutes |
| Cure to Handling Strength..... | 4 hours |
| Complete Cure | 24 hours |
| Cure below 21°C/70°F | up to 48 hours |
| Color..... | Amber |
| Machineability..... | Excellent |
| Shelf Life (in original unopened containers)..... | 1 year |

STORAGE

1. If product is in a plastic bottle, remove any airspace in the bottle by squeezing the material towards the top of bottle and immediately replace and tighten spout cap. This will remove any air in the bottle and prolong shelf life.
2. Any material that hardens in the spout cap during storage can be easily removed or knocked out using a small drill bit, metal punch or scribe.

TENSILE ADHESION STRENGTH TEST

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| Adhesion to: 15# Density Urethane Foam | Substrate Failure @ 522 psi |
| 20# Density Urethane Foam | Substrate Failure @ 576 psi |
| 30# Density Urethane Foam | Substrate Failure @ 766 psi |
| 40# Density Urethane Foam | Substrate Failure @ 1,188 psi |
| Mahogany Wood | Substrate Failure @ 454 psi |
| Concrete | Substrate Failure @ 1,160 psi |
| Steel (rusty surface) | Substrate Failure of rusty surface @ 1,540 psi |
| Steel (clean shiny sanded surface) | Adhesive Failure @ 1,561 psi |

INSTRUCTIONS FOR USE

1. **Bonding surfaces must be clean, free of dust and fit tightly together.** Sand any smooth or shiny surfaces to create a rough texture for the adhesive to lock into. Clean oil contaminated metal surfaces with MEK solvent or lacquer thinner, thoroughly dry and sand. Please note that EA-001 will not expand into gaps or fill loose joints so bonding surfaces should mate well together.
2. **Lightly dampen surfaces to be bonded using a water dampened cloth or water spray mist bottle.** EA-001 adhesive requires moisture to cure however do not saturate surfaces. The optimum substrate moisture content is between 10-25%.
3. **Spread a thin layer of EA-001 to both surfaces using a disposable brush or plastic spreader.** Use a minimum of ½ oz. per square foot on each bonding surface (example: a 4 oz. bottle covers 4 square feet of surface 'A' plus 4 square feet of surface 'B').
4. **Clamp the pieces together or use heavy objects to create pressure.** Leave the clamps in place for at least 4 hours until the EA-001 reaches a cure to handling strength.

EA-001 Tech/Revised 9/28/09
Supercedes 3/30/07