



**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.

TYPICAL HANDLING CHARACTERISTICS @ 77°F (25°C)

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| Density | 1.13 g/cc |
| | 9.4 lbs/gal |
| Viscosity | Dispensable Liquid |
| Work Life | 20 minutes |
| Cure to Handling Strength | 4 hours |
| Complete Cure | 24 hours |
| Cure below 70°F (21°C) | 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.**

TYPICAL TENSILE ADHESION STRENGTH TEST

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|--------------|--|---|
| Adhesion to: | 15# Density Urethane Foam..... | Substrate Failure @ 522psi (4MPa) |
| | 20# Density Urethane Foam..... | Substrate Failure @ 576psi (4MPa) |
| | 30# Density Urethane Foam..... | Substrate Failure @ 766psi (5MPa) |
| | 40# Density Urethane Foam..... | Substrate Failure @ 1,188psi (8MPa) |
| | Mahogany Wood | Substrate Failure @ 454psi (3MPa) |
| | Concrete..... | Substrate Failure @ 1,160psi (8MPa) |
| | Steel (rusty surface) | Substrate Failure of rusty surface @ 1,540psi (11MPa) |
| | Steel (clean shiny sanded surface) | Adhesive Failure @ 1,561psi (11MPa) |

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.

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