



ALFA INTERNATIONAL CORPORATION

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Alfa E20-200 **Fast Cure Two-Part Epoxy**

Products

- 1. E20-200**
- 2. E20-200MV**
- 3. E20-200 T**

Product Features

- **5 minutes set time @ R.T.**
- **1:1 mix ratio by weight or vol.**
- **Operating temperature range -65°F to +180°F continuous**
- **Operating temperature range -50°C to 120°C frequent**
- **Available in different viscosities**
- **Develops green strength after 10 minutes**
- **Recommended for low temperature applications**
- **Recommended for wet and dry industrial bonding applications**
- **Contains no solvent, 100% solids**
- **Superior resistance to many chemicals**
- **Low shrinkage**
- **Ultimate cure and mechanical properties can be attained after 2 hours from mixing time**
- **Available in different color**

E20-200 Series Applications

- **Spot and emergency repairs (apply, hold, cure, fix)**
- **Maintenance shop staple.**
- **Cure and top threads**
- **Heat transfer cladding**
- **Wet or dry concrete, ceramics and masonry material**
- **Fabrics and furniture**
- **Hardboards and forestry products**
- **Bonding metal to metal and dissimilar substrates**
- **Fiber optics (low viscosity grades)**
- **Appliances**
- **Develop strong, tough bonds to phonolic plastic, polyesters, epoxy laminates, glass and glass fabrics**

THIS PRODUCT IS SOLD FOR INDUSTRIAL USE ONLY, KEEP OUT OF REACH OF CHILDREN.

Read and understand all MSDS before use. Liquid uncured epoxy material may cause skin sensitization or other allergic responses. Prevent all contact with skin or eyes. If contact occurs, flush immediately with plenty of water and get immediate medical attention.

Product Packaging

E20-200 - Series products are available in various size packaging

- **Pint**
- **Quart**
- **One gallon**
- **Five gallon**
- **Tubes**
- **Two-part side by side cartridges**
- **2 chambers divided bags**

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E20-200 - Series Properties

| Property | Product | | |
|--|----------------------|----------------------|------------------------------------|
| | E20-200 | E20-200MV | E20-200T |
| Handling Properties | | | |
| □ Specific gravity m/cc (mix) | 1.20 | 1.21 | 1.28 |
| □ Viscosity Mix Poise | 180 | 300 | HV |
| Mix ratio Resin: Hardener | 1:1 | 1:1 | 1:1 |
| □ Open time (min.) | 4 | 4 | 4 |
| □ Color | CLEAR | GREY | GREY |
| Cured Properties | | | |
| □ Hardness Shore D | | | |
| after 12 minutes | 47 | 36 | 36 |
| after 40 minutes | 72 | 72 | 72 |
| after 60 minutes | 76 | 76 | 76 |
| □ Tensile Shear Strength AL-AL psi | | | |
| after 1 hour | 1,100 | 800 | 750 |
| after 24 hours | 2,200 | 2,600 | 2,000 |
| □ Compressive strength psi | 15,000 | 16,500 | 16,500 |
| Thermal Properties | | | |
| □ Thermal conductivity Btu/hr/ft ² /°F/in | 2 | 2 | 2.2 |
| □ Co-efficient of thermal expansion 10 ⁻⁵ /°C | 5.3 | 5.3 | 5.6 |
| □ T _G °C | 64 | 64 | 64 |
| Electrical Properties | | | |
| □ Dielectric strength volts/mil. | 386 | 384 | 386 |
| □ Dielectric constant 60 Hz | 4.1 | 4.1 | 4 |
| □ Dissipation factor 60 Hz | 0.012 | 0.012 | 0.016 |
| □ Volume resistivity ohm/cm | 3.0x10 ¹⁴ | 3.0x10 ¹⁴ | 3.7x10 ¹⁴ |
| | | | Meets UL 94 Flame Resistance |

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