51-Cure

Product Description:
51-Cure is an epoxy system for people who are looking for the performance of popular epoxy systems that mix at a 5 parts resin to 1 part hardener ratio. Available with either a fast or a slow curing agent, 51-Cure can be used in a wide range of temperatures. It cures to form high-strength bonds or coatings with excellent resistance to moisture.

Product Uses:
Use 51-Cure to wet out fiberglass cloth and other reinforcing fibers. It is also a superior adhesive, bonding to composite, metals and most woods. Used with our powders, 51-Cure will fill gaps and can be sanded and shaped after it cures.

51-Cure Fast Hardener
51-Cure Fast Hardener is recommended for the majority of applications. At lower temperatures it produces a rapid cure achieving its specified physical properties at room temperature. 51-Cure Fast Hardener is designed to be mixed with 51-Cure Resin at a 5 parts resin to 1 part hardener ratio.

51-Cure Slow Hardener
51-Cure Slow Hardener is the curing agent to choose at higher temperatures when additional working time is needed. 51-Cure Slow Hardener is designed to be mixed with 51-Cure Resin at a 5 parts resin to 1 part hardener ratio.

51-Cure #4 3:1 No Blush Hardener
Use with 51-Cure Resin at 3 parts resin to 1 part hardener ratio. Use No Blush Hardener when a very clear finish is required. Will work when temperatures are cool and conditions are damp without clouding.

Technical Notes:

Mix Ratio: 5:1 by volume (3:1 w/ #4 No Blush Hardener)
Total Solids: 100%
Viscosity: Medium liquid
Color: Clear, Pale Amber
Application Temperature Range: 4°C to 40°C (40°F to 104°F)
Tensile Strength: 7600 psi
Compressive Strength: 13000 psi
Elongation: 6.0%
Coverage: 20 sq ft/l as a coating
Service Temperature Range: -20°C to 72°C (-4°F to 162°F)

#4 No Blush Hardener: .66 Quart / 1.32 Quart

Time Table:

For a 450 ml mixture
(with #1 Fast Hardener)

<table>
<thead>
<tr>
<th>TEMPERATURE</th>
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<tbody>
<tr>
<td>Deg.C</td>
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<tr>
<td>------------------</td>
</tr>
<tr>
<td>4°</td>
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<tr>
<td>10°</td>
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<tr>
<td>20°</td>
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<tr>
<td>30°</td>
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</tbody>
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POT LIFE
50 min
23 min
12 min
6 min

CURE TIME (90%)
4 Days
2 Days
1 Day
12 hours

(with #2 Slow Hardener)

<table>
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<tr>
<td>20°</td>
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<tr>
<td>30°</td>
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</tbody>
</table>

POT LIFE
50 min
50 min
25 min
12 min

CURE TIME (90%)
N/A
3 Days
3 Days
1 Day

(with #4 No Blush 3:1 Hardener)

<table>
<thead>
<tr>
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<td>Deg.C</td>
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<tr>
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</tr>
<tr>
<td>20°</td>
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</tbody>
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POT LIFE
25 min

CURE TIME (90%)
4 Days