



# 10-3008 FLEXIBLE STRUCTURAL EPOXY ADHESIVE

## DESCRIPTION:

10-3008 is a filled, high performance structural epoxy adhesive. 10-3008 is a flexible adhesive with outstanding lap shear and peel strength. It is a great choice for bonding substrates of differing coefficients of thermal expansion. 10-3008 is also an excellent adhesive for applications requiring impact and vibration resistance.

10-3008 has a convenient 1:1 by volume mix ratio and therefore is ideal for Dual Barrel Cartridge packaging. 10-3008 is stocked in 50ML and 200ML Dual Cartridge sizes.

10-3008 contains non-abrasive fillers and therefore is well suited for meter mix and dispense equipment.

## FEATURES:

- \* 1:1 Non-critical mix ratio
- \* Thermal shock resistance
- \* High lap shear strength
- \* Excellent chemical resistance

## TYPICAL SPECIFICATIONS:

|                                 |               |
|---------------------------------|---------------|
| Color, Resin                    | Grey          |
| Catalyst                        | Beige         |
| Viscosity, 25°C, cps            | Resin 650,000 |
| Catalyst                        | 77,867        |
| Mixed                           | 96,000        |
| Mix ratio,                      |               |
| by volume (Resin:Catalyst)      | 1:1           |
| by weight (Resin:Catalyst)      | 1:1.3         |
| Specific gravity, 25°C          |               |
| Resin                           | 1.69          |
| Catalyst                        | 1.23          |
| Pot life, 100 gram mass, 25°C   | 60 Minutes    |
| Hardness, shore D               | 55-65         |
| Lap shear strength (AL/AL), psi |               |
| 7 days room temp. cure          | 2,900         |
| 18 hours + 2 hours @ 212°F      | 3,000         |
| 1 hour @ 180°F                  | 3,000         |
| 2 hours @ 150°F                 | 3,200         |
| 30 minutes @ 250°F              | 2,700         |

T-Peel strength, piw



|                            |    |
|----------------------------|----|
| 7 days room temp. cure     | 25 |
| 18 hours + 2 hours @ 212°F | 25 |
| 1 hour @ 180°F             | 23 |
| 2 hours @ 150°F            | 26 |
| 30 minutes @ 250°F         | 23 |

**INSTRUCTIONS FOR USE:**

- 1) Stir Resin and Catalyst separately in their original containers.
- 2) By volume, thoroughly mix equal parts Resin and Catalyst. Be sure to scrape the sides and bottom of the mixing container.
- 3) Apply adhesive and follow one of the following cure schedules:

|                  |             |
|------------------|-------------|
| Room Temperature | 18-24 Hours |
| 150°F            | 2 Hours     |
| 180°F            | 1 Hour      |
| 250°F            | 30 Minutes  |

**STORAGE, HANDLING AND AVAILABILITY:**

Store in a cool, dry place in original containers. Keep containers closed and stir well before using.

Expected shelf life is 1 year in original unopened container.

10-3008 is available in 50ML and 200ML Dual Barrel Cartridges, Quarts, Gallons, 5 Gallon Pails, and 55 Gallon Drums.

**IMPORTANT:**

The information in this brochure is based on data obtained by our research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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