



CUMING MICROWAVE

C-BOND 275

**RoHS
Compliant**

TECHNICAL BULLETIN 240-2

ELECTRICALLY CONDUCTIVE SILICONE ADHESIVE

C-BOND 275 is a two-part electrically conductive adhesive system. Applied as a creamy grey paste, it cures to a flexible conductive rubber material with excellent bond strength. It is useful as a flexible "cold solder" for materials that require a high level of electrical continuity.

The principal active constituents are silver as conductive medium and silicone rubber as adhesive, forming a high strength self-priming heat curable adhesive.

TYPICAL PROPERTIES

Service Temperature: -55°C to +200°C
(65°C to +390°F.)
Tensile Strength, ASTMD412: >800 psi.
Tear Strength, ASTMD412: 30 psi.
Volume Resistivity: 0.01 ohm-cm
Shelf Life: 6 months at <90°F when
stored in unopened cans.

INSTRUCTIONS FOR USE

1. Stir contents of Part A, as ingredients may have settled.
2. Measure out required amounts by weight, approximately 100 Parts A to 3 Parts B.
3. Mix the two parts thoroughly. Pot life at 75°F is at least 2 hours.
4. Clean the surfaces to be bonded, they should be clean, dry and grease free.

5. Apply C-BOND 275 to the surfaces and press them together with moderate pressure. For maximum bond strength maintain pressure until adhesive is cured.

6. Cure time 45-60 minutes at 210°F. For optimum strength cure for 15-30 minutes at 300°F.

This material presents no health hazards if used with reasonable precaution. See the Material Safety Data Sheet for details. The information given above is believed to be correct, but is not to be taken as a warranty for which Cuming Microwave assumes any legal responsibility.

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