

## FLEX-WELD MODIFIED EPOXY ADHESIVE

### 1. PRODUCT DESCRIPTION:

Flex-Weld is an all-purpose, modified epoxy that provides excellent tensile, peel and shear strength. Exhibits superior adhesion and flexibility to a wide variety of substrates including: ceramics, concrete, wood, composites, FRP and most metals-without the use of a primer. Flex-Weld has a user-friendly and forgiving 1:1 by volume mix ratio. Various room temperature pot lives available. Light stable and highly UV resistant. Flex-Weld outperforms most “brittle” 2-component systems by retaining high peel strength and flexibility through a wide temperature range.

### 2. TECHNICAL DATA:

	<u>PART A</u>	<u>PART B</u>	<u>BLEND</u>
Specific Gravity	1.19	1.44	1.315
Color	White	Black	Gray
Viscosity (cps) <small>*Brookfield Helipath T-E @ 5 rpms, 72°F</small>	80,000	160,000	120,000
Pot Life			Various
Open Time			Various
Ultimate Peel Strength <small>*Per ASTM D1781-93 Standard Test Method for Climbing Drum Peel for Adhesives</small>			50 pli
Tensile Strength			825 psi
Lap Shear			750 psi
Elongation			100%
High Temperature Resistance			UP to 400°F for short periods
Low Temperature Flexibility			Properties retained to - 75°F
Shore A			82

**3. COLORS:**

Dark Gray when mixed.

**4. PACKAGING:**

200mL and 400mL kits; 5 gallon pails; 55 gallon drums.

**5. SURFACE PREPARATION:**

Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying Flex-Weld.

**6. PAINTING:**

Cured product may be painted with most industrial & consumer paints. Testing prior to painting is recommended.

**7. STORAGE LIFE:**

Six months in unopened containers at temperatures not exceeding 80°F.

**8. PRECAUTIONS:**

Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See MSDS for additional information. **KEEP OUT OF REACH OF CHILDREN.**

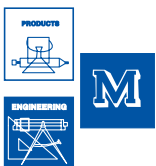
**9. TECHNICAL SERVICE:**

Manus technical representatives are always available to provide assistance. Please contact our Technical Service Department with your questions or requests for specific applications.

**10. LIMITED WARRANTY:**

Any goods proved defective will be replaced or the purchase price refunded. The limited warranty described herein is in lieu of any other warranty, expressed or implied, including any implied warranty of merchantability or fitness for a particular use. The user shall determine suitability of the product for its intended use. Liability for any incidental or consequential damage or loss is excluded. The user assumes all risks of the product's use, handling and storage.

*Distributed by*



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