



J-B WELD COMPANY
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TECHNICAL DATA

J-B Weld

PRODUCT DESCRIPTION:

J-B Weld is the original "Cold Weld" steel reinforced two part epoxy adhesive that provides strong and lasting repairs to metal, aluminum and multiple surfaces found in the automotive, household, mechanical and industrial applications.

RECOMMENDED FOR:

Bonding and filling various metals such as steel, aluminum, iron, copper, brass and bronze. Can also be used on non-metal surfaces such as concrete, most plastics, wood, tile, ceramic, fiberglass and many others.

TYPICAL APPLICATIONS:

Can be used to repair many items including, machinery, automotive components, tools, pipes, housings, outdoor equipment, off road equipment, appliances, fuel tanks, furniture, fixtures and household items.

DIRECTIONS:

1. Clean and Prepare surface area of all dirt, grease, oil, paint, rust or debris.
2. Mix equal parts of the Part A Hardener and the Part B steel resin. Be sure to mix equal parts thoroughly until color is uniform.
3. Apply with appropriate tool or spatula in an even coat, weld bead, or extruded shape as needed.
4. Let Product Set. Product will set for 20-25 minutes and cure in 15-24 hours (depending on the environment and temperature conditions present. Allow 4-6 hours minimum before putting object back into use or service.

PRODUCT FEATURES AND BENEFITS:

- Superior Product Strength able to withstand significant shear loads, shock loads, and impact resistance.
- Can be used on differing substrates and multiple surfaces
- High Heat Resistant up to 600 F intermittent temperatures
- Gasoline and Petroleum resistant
- Water Resistant when fully cured
- Won't shrink or crack
- Can be tapped, filed, sanded and drilled when fully cured

NOT RECOMMENDED FOR:

Polyethylene Plastic (PE), polypropylene Plastic (PPE), Nylon, and other highly flexible materials and non-porous surfaces. Not recommended for under water immersion.

SAFETY AND PRECAUTIONS:

Avoid product contact with eye, skin or clothing. Use rubber gloves and eye protection. Use in an adequately ventilated area. Do not ingest. If contact with eyes occurs flush with water for 10-15 minutes and seek medical attention immediately. If contact with skin, wash with soap and water.



ITEM # 82655
 PACKAGE: Carded Tubes
 SIZE: 2 x 1 oz.



ITEM # 8280
 PACKAGE: Boxed Tubes
 SIZE: 2 x 5 oz.

PROPERTIES	TEST METHOD	RESULT
Color (cured)		Dark Grey
Working time (70° F)		45 min. max
Set time		4-6 hours
Cure time		16-24 hours
Max temp (intermittent)		600° F
Max temp (continuous)		500° F
Tensile strength	ASTM CI,638	3960 psi
Adhesion strength	ASTM D297	3960 psi
Flexural strength	ASTM D790	3960 psi
Compressive strength	ASTM 0695	3960 psi
Shore D hardness	ASTM 02240	85 (1wk)
Shrinkage	ASTM 01779	0.0%
Flash Power (uncured)		7400

