

J-B WELD Product Description

Description:

Our flagship product, J-B WELD is the world's finest cold-weld compound. It's a remarkably easy, convenient, and inexpensive alternative to welding, soldering, and brazing. J-B WELD is the smart way to repair something ... and for literally pennies per use. When welding or soldering is out of the question due to cost, down time for repairs, or technical/environmental considerations, J-B WELD is the answer.

How does it work?

J-B WELD is packaged in two tubes. One contains liquid steel/epoxy resin, and the other contains hardener. When mixed together in equal portions, a chemical reaction occurs that turns the mixture into a compound as hard and tough as steel -- and with similar properties.

How to use it:

Use J-B WELD as an adhesive, laminate, plug, filler, sealant, and electrical insulator. Squeeze out equal portions from the black and red tubes. Mix thoroughly. Clean surface to be bonded. Apply J-B WELD, and let it cure. That's all there is to it!

Like metal, J-B WELD can be formed, drilled, ground, tapped, machined, filled, sanded, and painted. It stays pliable for about 30 minutes after mixing, sets in 4-6 hours, and cures fully in 15-24 hours. It's water-proof; petroleum-, chemical-, and acid-resistant; resists shock, vibration, and extreme temperature fluctuations, and withstands temperatures up to 500° F. J-B WELD is super strong, non-toxic, and safe to use. Before it sets, you can clean up with soap and water. ([print out instruction sheet](#))

Uses

What does it bond to?

Virtually any combination of iron, steel, copper, aluminum, brass, bronze, pewter, porcelain, ceramic, marble, glass, plastic, concrete, fiberglass, wood, fabric, paper -- just about any porous and non-porous material.



Properties (lbs/psi)

Tensile Strength:	3960
Adhesion:	1800
Flex Strength:	7320
Tensile Lap Shear:	1040

Shrinkage:	0.0%
Resistant to	500° F

Mechanics -- you can use J-B WELD with confidence. It is designed for safe, reliable, permanent repairs in engine compartments and heated environments up to 500° F (twice the heat-resistance of competitive products). It's strong as steel and impervious to water, gasoline, chemicals, and acids. Working with J-B WELD is quick, easy, and convenient -- and saves you time, work, and money!

Not recommended for use on manifolds, exhaust systems, and other engine components which normally operate at temperatures above 500° F.