



Atlas Minerals & Chemicals, Inc.



DATA SHEET

EP-3 (10-00²)



WOOD REPAIR EPOXY PUTTY

DESCRIPTION AND USES

EPOXYBOND WOOD REPAIR EPOXY PUTTY is a two part, hand-moldable epoxy putty that bonds to almost any surface. It is supplied in convenient sticks that provide simple equal portion mixing without scales or volumetric measuring containers.

EPOXYBOND WOOD REPAIR EPOXY PUTTY will adhere to wood, glass, metals, concrete, ceramics, reinforced polyester, to itself or to any combination of these items.

EPOXYBOND WOOD REPAIR EPOXY PUTTY when fully cured, becomes hard enough to drill, saw, tap, file, sand and paint.

TYPICAL APPLICATIONS

EPOXYBOND WOOD REPAIR EPOXY PUTTY has an unlimited number of uses, such as:

- Replacing broken or missing pieces of wood
- Repairing wood or metal furniture
- Bonding broken cabinet or drawer handles
- Securing hooks or bolts
- Excellent for filling and forming

PACKAGING

EPOXYBOND WOOD REPAIR EPOXY PUTTY*

12 x 2-1/2 oz. (71 g.) cards / carton each containing:

1-1/4 oz. (35 g.) stick Resin

1-1/4 oz. (35 g.) stick Hardener

*EPOXYBOND WOOD REPAIR EPOXY PUTTY is also available in a master carton containing 12 x 12 set cartons.

AVAILABLE COLORS

EPOXYBOND WOOD REPAIR EPOXY PUTTY is available in brown only.

APPLICATION

1. Surfaces to be bonded should be thoroughly cleaned and all loose particles removed. Slightly roughen surface with sandpaper. No surface priming is necessary.
2. After cutting off equal portions of Resin and Hardener, mix together until uniform.
3. Apply EPOXYBOND WOOD REPAIR EPOXY PUTTY to both surfaces to be bonded or joined and press firmly together.
4. To aid forming and shaping, gently smooth the surface with a clean sponge or putty knife dampened with water.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Dielectric Strength	250 Volts / mil
Compressive Strength	10,000 psi. (68.9 MPa)
Bond Strength	450 psi. (3.1 MPa)
Maximum Use Temperature Intermittent Continuous	275°F (135°C) 212°F (100°C)
Tensile Strength	2,000 psi. (13.8 MPa)
Coefficient of Expansion, in./in./°F (cm./cm./°C)	3.35 x 10 ⁻⁵ (1.86 x 10 ⁻⁵)

TYPICAL SETTING TIMES OF THE EPOXYBOND WOOD REPAIR EPOXY PUTTY

TEMPERATURE	APPROXIMATE SETTING TIME*
60°F (16°C)	150 min.
70°F (21°C)	90 min.
80°F (27°C)	60 min.
90°F (32°C)	40-45 min.
100°F (38°C)	30-35 min.
120°F (49°C)	15-20 min.

*Curing can be accelerated by placing in an oven or by use of any external heat source. The greater the heat, the quicker the curing, but do not heat above 200°F (93°C).

5. After application, EPOXYBOND WOOD REPAIR EPOXY PUTTY should not be disturbed until completely set.

CLEAN-UP AND DISPOSAL

Remove excess material from repaired surface before it begins to harden. Wash hands and skin with soap and water immediately after use. Use a nylon scrub pad to clean mixing tools before material begins to harden. Solvents, such as laquer thinner, paint thinner or alcohol, will have to be used to remove material after it has begun to harden.

Dispose of residues and wastes in accordance with the directions in the Material Safety Data Sheets and government regulations.

STORAGE AND SHELF LIFE

Store all materials in a cool, dry environment. Keep

all materials out of direct sunlight. Ideal storage temperature is 75°F (24°C). In unopened original containers, the materials referred to in this Data Sheet have a shelf life of approximately one year.

PRECAUTIONS

The materials referred to in this Data Sheet contain materials that present handling and potential health hazards. Consult all product packaging and Material Safety Data Sheets for complete precautionary information.

TECHNICAL SERVICES

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of difficulties with the application of ATLAS materials, the installation should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**