Atlas Minerals & Chemicals, Inc.

DATA SHEET

5-61PI (11-18)
Supersedes 5-61PI (6-06)

EPOXYBOND® POOL PUTTY

DESCRIPTION AND USES

EPOXYBOND POOL PUTTY is a unique two-part, hand-moldable epoxy putty specially formulated for concrete or Gunite pool repairs. The convenient cartridge form provides a simple, equal mixing ratio (1 to 1). **Just cut, mix and fix**. There is no need to drain pools to repair leaks and cracks because EPOXYBOND POOL PUTTY **hardens under water**. Once cured, it will not shrink or sag.

PACKAGING AND COVERAGE

EPOXYBOND POOL PUTTY (20 SETS)–BLACK
4 x 5 set boxes (4 lb. 6 oz. [2.0 kg.] ea.) / carton each containing:
5 x 7 oz. (198 g.) cartridges Resin – Black
5 x 7 oz. (198 g.) cartridges Hardener

EPOXYBOND POOL PUTTY (40 SETS)–WHITE
8 x 5 set boxes (4 lb. 6 oz. [2.0 kg.] ea.) / carton each containing:
5 x 7 oz. (198 g.) cartridges Resin – White
5 x 7 oz. (198 g.) cartridges Hardener

COVERAGE: One 14 oz. set will cover approximately 11.7 cubic inches or .0067 cubic feet.

MIXING AND APPLICATION

Under Water Repairs

1. Area to be repaired must be free of loose particles, slime and algae.
2. Mix equal amounts of Resin and Hardener thoroughly, above water, until putty is uniform in color.
3. For best adhesion, press putty firmly into areas requiring repair.

Above Water Repairs

1. Area to be repaired must be thoroughly cleaned. Remove grease, loose particles and rust. For best adhesion, roughen surface with wire brush or sandpaper.
2. Mix equal amounts of Resin and Hardener thoroughly until putty is uniform in color.
3. For above water repairs, the putty can be contoured or smoothed by carefully rubbing with a wet sponge.

Note: It is important to apply EPOXYBOND POOL PUTTY at least 1/8" thick. After application, EPOXYBOND POOL PUTTY should not be disturbed until completely cured.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Density (14 oz. set)	130 lb. / cu. ft.
Compressive Strength	8,000 psi. (55.2 MPa)
Bond Strength	400 psi. (2.76 MPa)
Maximum Use Temperature Intermittent Continuous	 200°F (93°C) 150°F (66°C)
Tensile Strength	1,600 psi. (11.0 MPa)
Coefficient of Expansion, in./in./°F (cm./cm./°C)	3.35×10^{-5} (1.86×10^{-5})
Color	White or Black

TYPICAL SETTING TIME

The setting of EPOXYBOND POOL PUTTY results from an exothermic reaction. Curing can be accelerated by applying an external heat source, such as a heat lamp or hair dryer. The greater the heat, the quicker the curing. Do not heat above 200°F (93°C).

TEMPERATURE	APPROXIMATE SETTING TIME
60°F (16°C)	3-1/2 hours
70°F (21°C)	2 hours
80°F (27°C)	80 minutes
90°F (32°C)	55-60 minutes
100°F (38°C)	40-45 minutes
120°F (49°C)	20-25 minutes

Note: Setting time is the length of time a system must be subjected to heat or pressure to cause the system to set-up that it can be used. Curing time is the length of time that it takes to reach all its properties, both chemical and physical.

CLEAN-UP AND DISPOSAL

Equipment should be cleaned with soap and warm water before the materials referred to in this Data

NOTE: ATLAS makes it a practice to continuously update and enhance our EPOXYBOND® products. For the most recent version of any Data Sheet, please visit our Web site at www.atlasmin.com/epoxybond.

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Sheet begin to set. Methyl Ethyl Ketone (MEK) or alcohol will have to be used after the material has begun to harden.
Dispose of residues and wastes in accordance with the directions in the 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). Protect from freezing. 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 present handling and potential health hazards. Consult Safety Data Sheets and the container labels for complete precautionary information.

CALIFORNIA PROPOSITION 65 WARNINGS
WARNING: This product can expose you to Silica and Titanium Dioxide which are known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov. Note: Exposure should only occur if cured material is sanded.

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.**