



Atlas Minerals & Chemicals, Inc.



DATA SHEET

6-63PI (5-15)
Supersedes 6-63PI (6-04)

EPOXYBOND® PLUMBER-CRETE



DESCRIPTION

EPOXYBOND PLUMBER-CRETE is a fast-setting, gray concrete mixture, which begins to harden in five minutes. It's excellent for repairing large or small holes, cracks or chips in concrete.

SUGGESTED USES

EPOXYBOND PLUMBER-CRETE is ideal for repairing concrete, indoors or out and setting anchor bolts.

PACKAGING AND COVERAGE EPOXYBOND PLUMBER-CRETE

2 x 12 lb. (5.4 kg.) tubs / carton
Coverage: One 12 lb. tub plus 1-pint water will cover a 1.2 sq. ft. area @ 1" thickness.

50 lb. (22.7 kg.) pail
Coverage: One 50 lb. pail plus 4-1/2-quarts water will cover a 5 sq. ft. area @ 1" thickness.

MIXING AND APPLICATION

Use contents as received, adding potable water only, as directed.

1. Apply when temperatures remain above 40°F (4°C).

PHYSICAL PROPERTIES

EPOXYBOND PLUMBER-CRETE rapidly achieves high physical strengths. The following table shows typical compressive and tensile strengths reached after periods of curing in the three most common applications:

Curing Time* (Ambient Temperature)	Compressive Strength			Tensile Strength		
	Dry Air	High Humidity	Under Water	Dry Air	High Humidity	Under Water
4 hours	170 psi.	195 psi.	120 psi.	30 psi.	35 psi.	20 psi.
8 hours	565 psi.	690 psi.	505 psi.	100 psi.	80 psi.	45 psi.
1 day	2,870 psi.	3,300 psi.	2,950 psi.	130 psi.	290 psi.	310 psi.
2 days	3,660 psi.	3,740 psi.	3,785 psi.	180 psi.	320 psi.	350 psi.
7 days	4,240 psi.	4,430 psi.	5,100 psi.	400 psi.	410 psi.	485 psi.
12 days	5,010 psi.	5,250 psi.	5,930 psi.	425 psi.	450 psi.	505 psi.
28 days	5,650 psi.	6,210 psi.	5,995 psi.	440 psi.	450 psi.	505 psi.

*Curing times are controlled by temperatures: Cooler temperatures will lengthen the curing time, while higher temperatures will shorten the curing time. For example; at 40°F, set time for EPOXYBOND PLUMBER-CRETE is 24 minutes; while at 80°F, set time is 6 minutes. These setting times have a direct relationship in the length of the curing cycle.

Note: The addition of any materials will drastically alter the physical properties of EPOXYBOND PLUMBER-CRETE and affect its performance.

NOTE: ATLAS makes it a practice to continuously update and enhance our CCM (Corrosion Resistant Construction Materials) products. For the most recent version of any Data Sheet, please visit our Web site at www.atlasmin.com.

2. To repair cracks or holes in concrete, clean and remove loose material to expose a sound concrete substrate. Chisel down edges of holes at least 1/4". Wet the area to be repaired thoroughly with water.
3. Add EPOXYBOND PLUMBER-CRETE to a small amount of clean, potable water in a clean container to make a stiff mix, approximately 5 lb. (2.3 kg.) EPOXYBOND PLUMBER-CRETE to one pint of water. Do not mix longer than 30 to 60 seconds.
4. Remove mix after 60 seconds, press firmly into position and smooth with a trowel within two to three minutes. DO NOT retemper.
5. Final finish can be done up to five minutes after application. EPOXYBOND PLUMBER-CRETE will harden in approximately five minutes at 70°F to 80°F (21°C to 27°C), slightly longer at lower temperatures. Allow to harden for two to three hours. In temperatures above 80°F (27°C), protect from direct sunlight by covering with plastic for at least 24 hours to prevent fast drying.

For anchoring bolts or posts, position bolts or posts in the hole. Use a small trowel and be sure to fill holes completely around bolts or posts. Smooth surface around bolts or posts with a trowel, hold in position until EPOXYBOND PLUMBER-CRETE is firm.

FREEZE & THAW PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL VALUE
Durability Factor, 300 cyc.	ASTM C290	90
Compressive Strength (After Test), 300 cyc.	ASTM C290	8,000 psi.

CLEAN-UP AND DISPOSAL

Equipment should be cleaned with soap and warm water before the materials referred to in this Data Sheet begin to set. Fully hardened material will have to be removed by mechanical means.

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 contain materials that present handling and potential health hazards. Consult Safety Data Sheets and the container labels 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.**