



Atlas Minerals & Chemicals, Inc.



DATA SHEET

5-63PI (6-04)

CONCRETE POOL PATCH

DESCRIPTION

CONCRETE POOL PATCH 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 and around concrete pools and decks.

SUGGESTED USES

CONCRETE POOL PATCH is ideal for repairing concrete steps, indoors or out, setting anchor bolts or frames, molding new corners and coping without forms.

PACKAGING AND COVERAGE

CONCRETE POOL PATCH

4 x 5 lb. (2.3 kg.) tubs / carton

Coverage: One 5 lb. tub plus 1-pint water will cover a 0.5 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).
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 CONCRETE POOL PATCH to a small amount of clean, potable water in a clean container to make a stiff mix, approximately 5 lb. (2.3 kg.) CONCRETE POOL PATCH 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. CONCRETE POOL PATCH 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 24hours 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 CONCRETE POOL PATCH is firm.

PHYSICAL PROPERTIES

CONCRETE POOL PATCH 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 CONCRETE POOL PATCH 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 CONCRETE POOL PATCH and affect its performance.

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 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). 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 are for Industrial Use Only. They contain materials that present handling and potential health hazards. Consult Material 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.**