



Atlas Minerals & Chemicals, Inc.



# DATA SHEET

7-26PI (11-03<sup>2</sup>)

Supersedes 7-26PI (9-03<sup>2</sup>) & T-7-26PI (8-03)

## ATLAS® GC PRIMER

### DESCRIPTION

ATLAS GC PRIMER is a moisture tolerant primer designed for application on green concrete as a primer, primer sealer or curing compound. Unlike traditional sealers, ATLAS GC PRIMER does not need to be removed before further treatment. ATLAS GC PRIMER meets ASTM C309 requirements for use as a concrete curing compound.

### TYPICAL USES

ATLAS GC PRIMER is for use as a primer or sealer over green concrete (24 hour cure), a primer for new or existing wet concrete or as a concrete curing compound. ATLAS Systems (setting beds, coatings, linings and floor toppings) can be applied directly on top of the cured ATLAS GC PRIMER.

### METHOD OF INSTALLATION

ATLAS GC PRIMER can be brush, roller or spray applied.

### PACKAGING AND COVERAGE

#### ATLAS GC PRIMER

##### 3/4-Gallon Unit (8 lb. 3 oz. [3.7 kg.]) Consisting of:

One - 1/2-gal. can of Resin (2 lb. 8 oz. [1.1 kg.])  
One - 1-gal. can of Hardener (3 lb. 3 oz. [1.4 kg.])  
2 lb. 8 oz. (1.1 kg.) or 38 fl. oz. potable water to be added at jobsite  
Coverage: Approx. 200 sq. ft. (18.6 m<sup>2</sup>) per unit

##### 2-Gallon Unit (21 lb. 4 oz. [9.6 kg.]) Consisting of:

One - 1-gal. can of Resin (6 lb. 8 oz. [2.9 kg.])  
One - 1-gal. can of Hardener (8 lb. 4 oz. [3.7 kg.])  
6 lb. 8 oz. (2.9 kg.) or 100 fl. oz. potable water to be added at jobsite  
Coverage: Approx. 530 sq. ft. (49.3 m<sup>2</sup>) per unit

##### 15-Gallon Unit (155 lb. [21.5 kg.]) Consisting of:

One - 5-gal. pail of Resin (47 lb. 8 oz. [21.5 kg.])  
Two - 5-gal. pails of Hardener (30 lb. [13.6 kg.])  
47 lb. 8 oz. (21.5 kg.) or 730 fl. oz. potable water to be added at jobsite  
Coverage: Approx. 3,900 sq. ft. (362.7 m<sup>2</sup>) per unit

**Note:** Due to limited working time, do not blend entire contents of 15-gallon unit at one time.

### SURFACE PREPARATION

**New (Green) Concrete:** ATLAS GC PRIMER can be applied to concrete without any surface preparation up to 36 hours after finishing. After 36 hours, surface preparation is required using mechanical grit or shot blasting.

**Existing, Damp Concrete:** Mechanical grit blasting is required for preparing the concrete surface. A finish similar to the profile of 100 to 120 grit sandpaper is suggested. Previously applied coatings or toppings must be removed. The surface may be damp, but must be free of all standing water. Remove puddled or standing water by vacuuming, sweeping, squeegee, sponge, or blowing off with compressed air.

For additional information, refer to Surface Preparation, Data Sheet PS-30.

### TEMPERATURE AND CONDITIONS DURING APPLICATION

Store ATLAS GC PRIMER at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. The best working characteristics of the material will be attained when the temperature of the substrate, air and ATLAS GC PRIMER are between 55°F (13°C) and 85°F (29°C). Minimum temperature for installation is 55°F (13°C). At temperatures below 55°F (13°C), the product may not set or cure properly.

### APPLICATION OF THE ATLAS GC PRIMER

Apply ATLAS GC PRIMER with a brush, paint roller or by spraying. Back rolling is recommended after spraying. Do not allow puddling. Wet film thickness should be 3 to 4 mils. Reprime areas in which the primer has absorbed into the concrete surface. Allow ATLAS GC PRIMER to dry before continuing. Refer to "Typical Working Times" chart. If the subsequent system recommends application to wet or tacky primer, continue with the appropriate primer designed for that system. If the flooring system does not require a primer, such as ATLAS epoxy setting beds, the system can be applied directly over the cured ATLAS GC PRIMER.

### TYPICAL WORKING AND DRYING TIMES OF THE ATLAS GC PRIMER

| Temperature | Working Time | Dry Hard |
|-------------|--------------|----------|
| 55°F (13°C) | 55 min.      | 16 hrs.  |
| 65°F (18°C) | 50 min.      | 10 hrs.  |
| 75°F (24°C) | 40 min.      | 8 hrs.   |
| 85°F (29°C) | 30 min.      | 6 hrs.   |

**MIXING OF THE ATLAS GC PRIMER**

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be done with a hand drill equipped with a "Jiffy" type mixer at a mixing speed between 300 and 500 RPM. During mixing, move the mixing blade in circular and up and down motions scraping all sides and the bottom of the mixing container.

Blend the ATLAS GC PRIMER Resin and Hardener to form a thick emulsion. Mix the emulsion thoroughly and then add the potable water slowly while mixing. This will form an easily applied, low viscosity material.

**MIX RATIO OF THE ATLAS GC PRIMER****Ratio by Weight**

|                 |           |                       |
|-----------------|-----------|-----------------------|
| Primer Resin    | 100 parts | 6 lb. 8 oz. (2.9 kg.) |
| Primer Hardener | 126 parts | 8 lb. 4 oz. (3.7 kg.) |
| Potable Water   | 100 parts | 6 lb. 8 oz. (2.9 kg.) |

**Ratio by Volume**

|                 |           |                          |
|-----------------|-----------|--------------------------|
| Primer Resin    | 100 parts | 35 fl. oz. (1.04 liters) |
| Primer Hardener | 129 parts | 45 fl. oz. (1.33 liters) |
| Potable Water   | 109 parts | 38 fl. oz. (1.12 liters) |

Proportionally increase or decrease component quantities to attain larger or smaller batch sizes.

**CLEANING OF TOOLS AND EQUIPMENT**

Nylon pad, soap and warm water will remove the materials referred to in this Data Sheet from mixing tools and equipment if cleaning is done immediately after use. Solvents, such as methyl ethyl ketone, toluene or xylene will have to be used if the material has begun to harden. Fully hardened material will have to be removed by mechanical means.

**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.

**PRODUCT SPECIFICATION**

The system shall be ATLAS GC PRIMER as manufactured by Atlas Minerals & Chemicals, Inc.

**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.**