



# GRIP IT AO™

DS-175.2-1214

A product brand of LATICRETE International, Inc.



## 1. PRODUCT NAME

GRIP IT AO™

## 2. MANUFACTURER

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 235

Toll Free: 1.800.243.4788, ext. 235

Fax: +1.203.393.1684

Website: [www.lmcc.com](http://www.lmcc.com)

## 3. PRODUCT DESCRIPTION

GRIP IT AO is a highly refined, scientifically manufactured mineral aggregate hardener. It contains over 95% pure aluminum oxide, and provides a long lasting abrasion resistance solution.

### Uses

GRIP IT AO is designed to provide non-slip properties for new single course concrete floors or two course floors with a minimum 1" (25 mm) properly bonded new concrete topping. GRIP IT AO reinforces normal concrete floor hardness, developing more abrasion resistance to heavy traffic for longer floor life. GRIP IT AO is suitable for dairies, meat and food processing facilities, industrial buildings, garages and stair wells where slippery surfaces increase hazards for people and vehicles.

### Advantages

- Provides increased hardness
- High resistance to corrosion
- Use for interior and exterior applications
- Easy installation

### Suitable Substrates

- Freshly placed concrete

### Packaging

GRIP IT AO is available in 50 lb (22.7 kilogram) containers.

### Approximate Coverage

With cement - 40 lbs/100 ft<sup>2</sup> (18 kg/10m<sup>2</sup>)

Without cement - 25 lbs/100 ft<sup>2</sup> (12 kg/10m<sup>2</sup>)

### Shelf Life

Shelf life is one year in factory-sealed container when properly stored.

### Limitations

- Do not use with calcium chloride or other accelerators.
- Concrete slump shall be a maximum 4" (100mm).

### Cautions

- Refer to Safety Data Sheet (SDS) before using
- Protect finished work from traffic until fully cured
- May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water
- Do not take internally
- Avoid breathing dust, wear a respirator in dusty areas
- Keep out of reach of children

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

## 4. TECHNICAL DATA

### Physical Properties

Test	Observation
Hardness Mohs	9
Al <sub>2</sub> O <sub>3</sub>	95%
Fe <sub>2</sub> O	1.1%

## Working Properties

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

## 5. INSTALLATION

**Aggregate only:** After soaking GRIP IT AO™ in water for 10 minutes to wash out fine particles and prevent water absorption from fresh concrete, strain excess water from aggregate and broadcast uniformly at 25 lbs/100 ft<sup>2</sup>. (12.2 kg/10m<sup>2</sup>). Tamp aggregate into the surface and wood float immediately.

**Mixed with cement:** After newly placed concrete has been screeded, allow it to set until all surface water has evaporated and is firm enough to support the applicator's weight.

Immediately dust on the surface, uniformly, a dry mixture consisting of 2 parts GRIP IT AO and 1 part portland cement by weight. Apply mixture at the rate of 40 lbs/100 ft<sup>2</sup> (19.5 kg/10m<sup>2</sup>) of surface area. Tamp the mixture into the surface and wood float immediately. Avoid embedding the GRIP IT AO completely below the surface. If smoother surface is desired, lightly steel trowel the surface. For surfaces that are too smooth, acid etch with 10% muriatic acid and flush with clean water.

**Curing:** Apply DRESS & SEAL WB 30™ or other similar curing compound after finishing.

## 6. AVAILABILITY AND COST

### Availability

L&M™ and LATICRETE® materials are available worldwide.

### For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

[www.lmcc.com](http://www.lmcc.com).

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

DS 173.4: DRESS & SEAL WB 30

## 8. MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at [www.laticrete.com](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com). The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 173.4: DRESS & SEAL WB 30