

GRIP IT™ GRIP IT AO™

Non-Slip Aluminum Oxide Floor Treatments

MANUFACTURER

L&M Construction Chemicals, Inc.
14851 Calhoun Road
Omaha, NE 68152
Phone: 402-453-6600
FAX: 402-453-0244
Website: www.lmcc.com

PRODUCT DESCRIPTION

GRIP IT is a natural mineral emery-magnetite non-slip aggregate. **GRIP IT** consists of more than 56% aluminum oxide and 24% ferric oxide.

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

GRIP IT and **GRIP IT AO** are dry mixtures of mineral aggregates and contain no portland cement. **GRIP IT** and **GRIP IT AO** will not rust or stain surfaces and can be used on outside, as well as inside surfaces.

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

FEATURES & BENEFITS

- Long lasting.
- Positive non-slip.
- Resistant to moisture.
- Extends life of non-slip concrete finishes.

ESTIMATING

GRIP IT and **GRIP IT AO** are available in 50-pound (22.7 kilogram) containers.

Application Rates:

With cement - 40 pounds/100 ft² (18 kilograms/10m²)

Without cement - 25 pounds/100 ft² (12 kilograms/10m²)

TECHNICAL DATA

Physical Properties:

	GRIPIT	GRIPITAO
Hardness, mohs	8.5	9
Al ₂ O ₃ , %	56.0	95.0
Fe ₂ O ₃ , %	24.0	1.1
Aggregate Structure	polyhedral	polyhedral

INSTALLATION

Aggregate only: After soaking **GRIP IT** or **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 pounds/100 sq. ft. (12 kilograms/10m²). Tamp aggregate into the surface and wood float immediately.

Mixed with cement: After newly placed concrete has been screeded, allow to set until all surface water has evaporated and is firm enough to support applicator's weight. Immediately dust on the surface, uniformly, a dry mixture consisting of 2 parts **GRIP IT** and 1 part portland cement by weight. Apply mixture at the rate of 40 pounds/100 sq. ft. (18 kilograms/10m²) of surface area.

Tamp the mixture into the surface and wood float immediately. Avoid embedding the **GRIP IT** 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 **L&M DRESS & SEAL WB 30** or other similar curing compound after finishing.

FOR BEST RESULTS:

- Do not use with calcium chloride or other accelerators.
- Drain water from soaked aggregate to maintain specified water cement ratio.
- Broadcast uniformly. Avoid placing wet aggregate clumps.
- Concrete slump shall be a maximum 4 inches (100mm) or less. Do not overflow.



GRIP IT™

GRIP IT AO™



PRECAUTIONS

Wear skin and eye protection. Please refer to Product Material Safety Data Sheet (MSDS) before using.

STORAGE/SHELF LIFE

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

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

LIMITED WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein

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, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

For Professional Use Only.

©2008, L&M Construction Chemicals, Inc