

PRODUCT DATA

3 03 35 00 **Concrete Finishing****LUMIPLATE™****Ferrosilicon nonoxidizing metallic-aggregate dry-shake surface hardener****Description**

Lumiplate™ is a ferrosilicon nonoxidizing metallic-aggregate surface hardener. It is ideal for industrial floors requiring added abrasion and impact resistance where moisture or humidity may be a factor. Lumiplate™ is also available in a light-reflective formula.

Yield

Approximately 1.5 – 2.5 lb/ft² (7.3 – 12.2 kg/m²). Do not apply more than 1 lb/ft² in a single pass. Consult your BASF representative for specific recommendations.

Packaging

55 lb (25 kg) multi-wall bags

No further measuring or mixing of the ingredients is required at the jobsite.

Color

Slate, light reflective, and natural

Shelf Life

18 months when properly stored

Storage

Store in unopened packaging in a clean, dry environment protected from sunlight at 50 to 90° F (10 to 32° C).

Features

- Nondusting
- Nonoxidizing
- Ready to use
- Abrasion resistance 3 – 4 times greater than mineral-aggregate hardeners and toppings
- Impact resistance is twice that of plain concrete
- Application rates from 1.5 to 2.5 lbs/ft² (7.3 to 12.2 kg/m²)
- Smooth or slip-resistant finishes
- Greater surface density than concrete
- Light reflective
- Specially sized and graded ferrosilicon metallic aggregate

Benefits

- Improves the wear of concrete surfaces
- Will not rust or corrode floors even in constantly wet conditions
- No jobsite measuring or mixing required
- Handles heavy and frequent traffic
- Ideal for loading and shipping environments
- Adaptable to varying jobsite conditions and performance requirements
- Suitable for a variety of flooring needs
- Decreases penetration by oils and chemicals; makes maintenance easier and less expensive
- Conserves energy; increases the light-reflectivity of floors
- Provides consistent finishing characteristics and uniformity from lot to lot

Where to Use

APPLICATION

- When metallic-aggregate surface hardeners must withstand wet conditions
- For commercial and industrial floors subject to deicing salts
- Where light-reflective flooring is desired
- Floors subject to heavy or frequent traffic
- Salt-storage facilities
- Multi-purpose sporting facilities
- Recreational facilities

LOCATION

- Indoor applications
- Over freshly placed concrete

How to Apply**Application**

Contact your local representative for a pre-job conference to review the concrete mix design and additives and carefully plan each step of the installation.

Refer to the Masterplate® 200 product data sheet for details on the application of Lumiplate™ surface hardener.

Curing

1. After final troweling and when the surface can no longer be marred, apply an approved BASF membrane-forming curing compound in accordance with directions. For VOC-compliance consult your local BASF representative for recommendations for other curing methods.
2. Light-reflective floors require extra care during construction. Protect the newly constructed floor from staining and damage until the structure goes into service.

For Best Performance

- Do not use on floors exposed to acids, their salts, or similar materials that seriously and rapidly attack Portland cement.
- Do not apply over concrete containing more than 3% air content when tested by ASTM C 173, ASTM C 231, or ASTM C 138 procedures.
- Never burnish-trowel a light-reflective surface hardener.
- Use cleaning agents with a high alkaline content for continuous maintenance programs.
- Do not place dry shake on slab without a roof cover.
- Many factors can affect the final shade and appearance of a concrete floor. BASF cannot be held responsible for poor workmanship, inadequate protection, or other matters beyond our control.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

LUMIPLATE™

DANGER - CORROSIVE

Lumiplate™ contains magnesium fluorosilicate, sulfuric acid.

Risks

Contact with skin or eyes may cause burns. Ingestion may cause irritation and burns of mouth, throat and stomach. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

DO NOT get in eyes, on skin or clothing. Wash thoroughly after handling. Keep container closed. DO NOT take internally. Use only with adequate ventilation. DO NOT breathe vapors. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Waste Disposal Method

This product contains materials listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

Proposition 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or reproductive harm.

VOC Content

0 g/L or 0 lbs/gal less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

BASF Construction Chemicals, LLC – Building Systems

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



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