**EURO-PLATE HD LIGHT REFLECTIVE**

**Heavy Duty, Light Reflective, Metallic Floor Hardener**

**Description**

EURO-PLATE HD LIGHT REFLECTIVE is a dry shake, metallic floor hardener with graded iron aggregate in a high strength cementitious binder. Designed to be incorporated into the surface of fresh concrete slabs, EURO-PLATE HD LIGHT REFLECTIVE provides a dense, tough surface capable of withstanding the abrasion and impact loading seen by floor slabs of numerous industrial and manufacturing facilities. EURO-PLATE HD LIGHT REFLECTIVE has been specially formulated to give increased reflectivity to improve lighting levels in combination with increased abrasion resistance.

**Primary Applications**

- Industrial floors
- Loading docks
- Warehouses
- Main, high traffic aisleways
- Processing plants
- Passenger and freight terminals
- Towveyors
- Distribution centers
- Iron armored joints

**Features/Benefits**

- Provides a high strength wearing surface
- Iron aggregate is free of rust, oil, and non-ferrous materials
- Can be applied at coverage rates up to 3.0 lb/ft² (14.6 kg/m²)
- Provides reflectivity levels in excess of 60%
- Capable of reducing annual energy costs with lowering of electrical requirements due to improved lighting

**Technical Information**

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

**Compressive Strength**  
ASTM C 109, 2 in. (50 mm) cubes  
psi (MPa)  
1 day.................................................4,000 (27.6)  
3 days...............................................5,000 (34.5)  
7 days..............................................7,000 (48.3)  
14 days..........................................9,000 (62.1)  
28 days.......................................10,000 (69.0)

**Appearance:** EURO-PLATE HD LIGHT REFLECTIVE is a free flowing powder as packaged. The final finish can be any texture normally achieved with concrete and should be specified by the owner. In addition, the joints of the newly installed EURO-PLATE HD LIGHT REFLECTIVE floor can be filled with a matching color available in EURO QWIKJOINT UVR polyurea joint filler.

**Packaging**

EURO-PLATE HD LIGHT REFLECTIVE is packaged in 50 lb (22.7 kg) bags with polyethylene liners for moisture protection.

**Shelf Life**

2 years in original, unopened package

**Coverage**

EURO-PLATE HD LIGHT REFLECTIVE may be applied at rates from 1.5 to 3.0 lb/ft² (7.3 to 14.6 kg/m²). Greater application rates yield better total abrasion resistance, and may be used with special considerations. Contact your Euclid Chemical Company representative for recommended procedures.
**WARRANTY:** The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.

**Directions for Use**

The contractor and engineer are encouraged to consult and review the Euclid Chemical bulletin “Dry Shake Floor Hardeners - Application Instructions”. The document offers instructions detailing the general installation of Euclid Chemical manufactured dry shake floor hardeners. **Note:** If the contractor is not familiar with the standard application techniques of a dry shake floor hardener, a pre-job meeting is suggested to review the project concrete mix design as well as placement and curing details unique to the particular job. Contact your local Euclid Chemical Company representative for additional information.

**Armored Joints:** EUCO-PLATE HD LIGHT REFLECTIVE may also be used as a mortar to construct armored floor joints.

**Application Tips:** Colored (pigmented) dry shakes require special attention for a uniform color. Care should be taken with regard to the following: delay application of the shake as long as possible to get the maximum color saturation at the surface of the slab, apply the shake as evenly as possible and in two applications for maximum uniformity, do not burnish trowel the floor. Best appearance is achieved by hand trowelling the final finish.

**Curing and Sealing:** After finishing operations are complete and the surface will not be marred by foot traffic, apply a Euclid Chemical curing compound or cure and seal according to product instructions. To produce an exceptionally durable and dustproof surface, cure with a dissipating curing compound such as KUREZ DR VOX, then densify with EUCO DIAMOND HARD.

**Clean-up**

Clean tools and equipment with soap and water before material hardens.

**Precautions/Limitations**

- The use of supplementary cementitious materials are not recommended for use with a dry shake hardener
- Proper curing and sealing is required.
- Curing with a sheet membrane (poly or burlene) is acceptable, however there is the potential for mottling problems.
- Sufficient manpower is required to produce consistent results on large placements.
- **Important:** Air-entraining admixtures may complicate finishing operations and cause blistering. Contact The Euclid Chemical Company if application of this product will be over air entrained concrete with more than 3% total air content.
- Do not burnish trowel light reflective surface hardeners.
- Not recommended for floors subjected to deicing salts, continuously wet or acidic/corrosive environments that may attack a cement based material. Use DIAMOND-PLATE LIGHT REFLECTIVE for these applications.
- Store product in a dry place.
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- In all cases, consult the Safety Data Sheet before use.