

MASTERPLATE® 200

Metallic aggregate, dry shake surface hardener

DESCRIPTION:

MASTERPLATE® 200 surface hardener is the industry's premier, iron-armored, ready-to-use cementitious dry shake floor hardener. Utilizing specially treated, sized and graded metallic aggregate, which, when evenly distributed and finished over freshly leveled and floated concrete, it improves wear and impact resistance for industrial concrete floors.

MASTERPLATE 200 surface hardener is available in 24 Standard Colors, including energy-efficient light reflective formulations. Please refer to the Floor Products Standard Color Card for color selection information.

RECOMMENDED FOR:

- Industrial installations needing extra abrasion resistance and impact armoring
- Floor surfaces subject to heavy or frequent traffic
- Areas where surface dusting will affect the purity of the manufactured products or the performance of precision equipment
- Areas where an attractive, energy-efficient light reflective, or surface colored, concrete floor is desired to enhance the appearance of a working floor

FEATURES/BENEFITS:

- Increased abrasion resistance up to four times greater than mineral aggregate dry shake hardeners and toppings and up to eight times greater than concrete
- Greater impact resistance than plain concrete
- Available in light reflective formulations which are designed to reduce energy and lighting requirements
- Properly treated, sized and graded iron aggregate is strictly controlled to provide uniformity and consistent finishing characteristics
- Iron aggregate makes this product a virtually nondusting surface hardener that may be finished to meet any requirements from smooth to textured
- Creates a high-density, easy-to-clean surface that increases resistance to liquid penetration
- Provides a floor which reduces wear on the wheels of material handling equipment
- Available in 24 Standard Colors, including energy-saving, light reflective formulations.

ESTIMATING:

The standard application rate of MASTERPLATE 200 surface hardener is 1.0 to 2.8 lb/ft² (4.9 to 13.7 kg/m²) of floor area. When application of dry shake is primarily for light reflective or color, standard application rate is 1.5 to 2.8 lb/ft² (7.3 to 9.8 kg/m²) of floor area. If more than 1.0 lb/ft² (4.9 kg/m²) total shake will be applied, apply in a minimum two pass application. Consult your Master Builders Representative for a specific recommendation.

PACKAGING:

MASTERPLATE 200 surface hardener is packaged ready-to-apply in 55 lb (25 kg) moisture resistant bags. No further measuring or mixing of the ingredients is required at the jobsite, thus movement of material and use of labor is more efficient.

LIMITATIONS:

- Do not use in areas where floor surfaces will be exposed to acids, their salts, or like materials which seriously and rapidly attack cement and/or iron.
- Do not use in outdoor areas that are subjected to freeze/thaw cycles.
- Do not apply over concrete containing added calcium chloride.
- Do not apply over concrete containing aggregate contaminated with salt or salt water.
- Do not apply over concrete containing more than 3% air content per ASTM C 138, ASTM C 173 or ASTM C 231.
- Do not use water, burlap or polyethylene covering for curing. Use only curing compounds approved by Master Builders.
- This product contains cement which may cause irritation. Avoid contact with eyes and prolonged contact with skin.

APPLICATION:

Consult the MASTERPLATE 200 surface hardener Installation Bulletin for detailed information on application of MASTERPLATE 200 surface hardener.

Consult appropriate sections of the ACI Committee Report 302 "Guide for Concrete Floor and Slab Construction" for monolithic colored dry shake finishes.

Master Builders recommends that the applicator request the service of the local Representative for a pre-job conference to review the concrete mix design and additives and to carefully assist in planning each step of the installation.

CURING:

At the completion of final troweling and when the surface will not be marred, apply an approved Master Builders membrane curing compound such as MASTERKURE® or MASTERKURE® 200W curing compound, according to directions.

NOTE: Colored floors require extra care during construction. Furthermore, the newly constructed floor must be protected from staining and damage until the structure goes into service. Many factors, including jobsite conditions and applicator experience, can affect the final shade, color and appearance of a colored concrete floor. Refer to Master Builders Floor Products Standard Color Card.

RELATED BULLETINS:

Material Safety Data Sheet - MASTERPLATE 200
Installation Bulletin - MASTERPLATE 200
Specification Bulletin - MASTERPLATE 200

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