

# MASTERTOP® HPF

*Dry shake surface hardener for the High Performance Floor System*

## DESCRIPTION:

MASTERTOP® HPF mineral aggregate dry shake surface hardener was specifically developed by Master Builders for the High Performance Floor System. When installed as designed by an Installation Partner, it provides a unique and aesthetically pleasing colored floor surface that does not require any waxing or stripping, and increases the wear resistance of a concrete floor.

MASTERTOP HPF surface hardener is available in 25 Standard Colors, including energy-efficient light reflective and high reflective formulations. Please refer to the Floor Products Standard Color Card for color selection information.

## RECOMMENDED FOR:

- Areas where an attractive, surface colored, concrete floor is desired to enhance the appearance of a commercial or retail floor.
- Reducing the maintenance costs normally associated with waxing and stripping floors.
- Increasing the wear resistance of concrete floor installations.
- Environments where ADA slip resistance values are required.
- Retail, grocery, home improvement and/or warehouse outlet stores, as well as commercial environments that can benefit from the advantages of a High Performance Floor System.

## FEATURES/ BENEFITS:

- Available in 25 standard colors, including light reflective formulations which reduce energy and lighting requirements.
- Creates a durable, easy-to-clean surface that does not require the labor, material and disposal costs normally associated with waxing or stripping.
- Increase wear resistance of a concrete floor surface, offering up to twice the serviceable life.
- ASTM C 1028-96, Static Coefficient of Friction Value: 0.90 (wet), and 0.82 (dry).
- Proper installation of this system by Installation Partners is essential. Application of material includes a screening process to condition the floor. How this process is utilized (either a "light" screening which leaves most of the surface paste layer intact or a "heavy" screening which removes the surface paste layer and exposes aggregate) impacts the key benefits of the system, including aesthetics, coefficient of friction values, maintenance, and regeneration and/or replication of surface.

## ESTIMATING:

Standard MASTERTOP HPF surface hardener application rate is 1.5 to 2.0 lb/ft<sup>2</sup> (7.3 to 9.7 kg/m<sup>2</sup>) of floor area. Place and integrate with a minimum two-pass process.

Consult your Master Builders representative for a specific recommendation.

## PACKAGING:

MASTERTOP HPF surface hardener is packaged ready-to-apply in 55 lb (25 kg) moisture resistant bags.

## LIMITATIONS:

- Do not use where operating and service conditions require the added performance of a metallic aggregate surface hardener. (Please refer to MASTERPLATE® 200 surface hardener Data Sheet.)
- Do not use where resistance to struck sparks on the surface is desired. (Please refer to MASTERPLATE DPS surface hardener Data Sheet.)
- Do not use where areas are exposed to acids, their salts or to other materials known to rapidly attack or deteriorate Portland cement concrete.
- Do not apply over concrete containing added calcium chloride.
- Do not apply over concrete containing more than 3% air content per ASTM C 138, ASTM C 173, or ASTM C 231.
- This product contains cement which may cause irritation. Avoid contact with eyes and prolonged contact with skin.

## APPLICATION:

MASTERTOP HPF surface hardener is designed to be applied by **High Performance Floor System** Installation Partners ONLY. Consult Master Builders Floor Product Manager for a list of current Installation Partners.

Consult appropriate sections of the ACI Committee Report 302 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 according to directions.

**PLEASE 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 - MASTERTOP HPF  
Specification Bulletin #116051- MASTERTOP HPF  
Installation Bulletin #116052 - High Performance Floor System Featuring MASTERTOP HPF Surface Hardener

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