

# MASTERCRON®

*Mineral aggregate, dry shake surface hardener*

## DESCRIPTION:

MASTERCRON® ready to use cementitious dry shake surface hardener utilizes specially sized and graded mineral aggregate which, when evenly distributed and finished over freshly leveled and floated concrete, adds color and improves the wear resistance of concrete floors.

MASTERCRON 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:

- Increasing wear resistance of concrete floor installations including institutional and commercial floors, shopping centers, schools, theatres, parking garages and more.
- Areas where an attractive, surface colored, concrete floor is desired to enhance the appearance of a working floor.
- Light-duty to moderate-duty warehouse and storage areas, where traffic and wear do not demand the added abrasion resistance of a metallic aggregate surface hardener.

## FEATURES/ BENEFITS:

- Available in 25 standard colors.
- Increases wear resistance of a concrete floor surface, offering up to twice the serviceable life.
- Available in light reflective formulations which are designed to reduce energy and lighting requirements.
- Creates a high-density, easy-to-clean surface that increases resistance to liquid penetration.
- Built in color eliminates the cost of periodically painting the floor.
- Designed to reduce surface wear and dusting, thereby lowering routine maintenance and repair costs.

## ESTIMATING:

When application of a dry shake is primarily for wear resistance, standard MASTERCRON application rate is 1.0 to 2.0 lb/ft<sup>2</sup> (4.9 to 9.8 kg/m<sup>2</sup>) of floor area. When application of dry shake is primarily for color, standard MASTERCRON application rate is 1.5 to 2.0 lb/ft<sup>2</sup> (7.3 to 9.8 kg/m<sup>2</sup>) of floor area. When more than 1.0 lb/ft<sup>2</sup> (4.9 kg/m<sup>2</sup>) total shake will be applied, apply in two applications.

Consult your Master Builders representative for a specific recommendation.

## PACKAGING:

MASTERCRON 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 where operating and service conditions require the added performance of a metallic aggregate surface hardener. (Please refer to MASTERPLATE® Data Sheet.)
- Do not use where resistance to struck sparks on the surface is desired. (Please refer to MASTERPLATE 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.
- Outdoor applications are limited to areas not subjected to freeze/ thaw cycles.
- 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:

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

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 trowelling 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 - MASTERCRON  
Installation Bulletin - MASTERCRON  
Specification Bulletin - MASTERCRON

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