

## **MASTERCRON®**

### *Mineral aggregate dry shake surface hardener*

#### **IMPORTANT: Read This First**

- All current Master Builders published literature, concerning MASTERCRON® surface hardener must be adhered to in all respects.
- MASTERCRON 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.
- Consult appropriate sections of ACI Committee Report 302 for monolithic colored dry shake finishes.
- Store materials in dry place and do not use material if packaging is damaged.

#### **PRE-JOB CONSIDERATIONS:**

- Read and understand Data Sheet and Installation bulletin completely before beginning installation.
- Arrange to have a pre-job conference with your local Master Builders representative to discuss all aspects of the dry shake application. At that time, it is strongly advised that a copy of the proposed mix design be given to your Master Builders representative. Cement, aggregate size, aggregate gradation, admixtures, etc. can all affect set time, and the ability of the dry shake to be incorporated into the slab.
- It is required that a 10 ft x 10 ft (3 m x 3 m) test application be made, using actual jobsite products and installation methods, by installation company, for owner/architectural approval prior to beginning installation.
- The following steps have been found to be an effective method of applying MASTERCRON dry shake surface hardener. However, ideal characteristic results of these, or any construction product, are highly dependent upon applicator experience, ambient conditions, proper equipment, labor and installation procedures, proper curing, etc.
- Proper timing is essential for successful installation of this product. Care should be taken to follow given procedures at the recommended time.

#### **RATE OF USE:**

When application of 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. For specific application rates, refer to the project specification or consult your local Master Builders representative to discuss particular needs.

#### **PREPARING THE BASE CONCRETE:**

Pump, place or otherwise convey the base concrete at a slump that is not in excess of 5 in. (127 mm) for a slab on grade. (Please contact your local Master Builders representative for special suspended slab application information.) After the concrete has been placed, immediately "screed", then "bullfloat/ highway straightedge" the surface. Allow bleed water to rise to surface.

Early moisture loss and rapid setting around the perimeter of the slab are typical, and should be monitored closely for proper timing of the floating operation. (If excessive bleed water is present, remove standing water by dragging a hose across the surface, use a squeegee or other approved method, and/or wait until the surface has lost its sheen.)