



# EmerTex

## Emery Industrial Surface Hardener

### **Description:**

A unique blend of emery aluminum oxides, selected quartz aggregates, specialty cements and additives to provide a high degree of surface hardness for severe traffic and industrial concrete floor applications in a natural gray cement color.

Produces a durable and economical alternative to bonded hard metal plate systems. Surfaces can be finished to any texture or to a smooth finish. Can be used in combination with a liquid chemical hardener to achieve the maximum possible surface density and hardness.

### **Uses:**

Broad-casted over freshly poured horizontal concrete at the recommended rate of application to provide a high degree of impact and abrasion resistant flooring for heavy commercial areas such as heavy equipment shops and industrial facilities.

### **Instructions, rate of application and limitations:**

**Rate of application:** for most applications use 70 pounds per 100 Sq./Ft; and no less than 90 pounds per 100 Sq./Ft. for heavy commercial uses.

Tool all joints while surface is still plastic for better results. Should always be sealed from moisture when used in exterior areas.

**Curing:** Use a Builders chemical sealing product meeting ASTM C-309 to cure and seal all surfaces.

As with all fresh concrete, timely cure is a necessity to achieve a surface free from rapid surface drying defects, especially plastic shrinkage cracks and efflorescence.

**Installation:** Start application on wet concrete after the initial floating and just as bleed water starts to dull.

Apply in 4 compass directions for complete even surface coverage. Apply 1/2 of the rate and float, then add the rest, consolidate and finish. Adjust timing when broad-casting the Shake-On to provide sufficient support and moisture for bonding and wetting out. This provides a workable surface to apply the proper finish.

Pay special attention to sub grade load bearing, drainage capacity and evenness to avoid possible crack developing.

Use normal grade concrete of at least five sacks of Portland cement per cubic yard without high range plasticizers, and avoid excessive air entrainment that can create blisters and pop outs, or high levels of fly ash or any accelerators or calcium chlorides additives.

Avoid adding any surface water to aid the finishing as that could cause a host of inconsistencies. If necessary, lightly fog the areas only as a last resort prior to hard troweling.

This product is designed to be used only by experienced craftsmen familiar with its application.

### **Sealing and protection:**

A liquid hardening compound that can be used for maximum hardness and to eliminate absorbency. Use a sealer that meets ASTM C-309 to protect the surfaces.

### **Packaging and Shelf life:**

50 pound: stored inside in a dry cool place.

Multiwall paper bags: 3-6 months

Plastic pails, 1 year

### **Applicable Standards:**

Bonded Emery shake-on hardener systems over fresh concrete.

### **Colors:**

Available in Natural Cement Gray or colored by special order.

### **Product Safety:**

Avoid inhalation of dust. Use approved respirator, eye and skin protection. This product contains Portland cements and silica which can burn skin. Prolonged dust inhalation or exposure can cause respiratory and skin injury.

Keep away from children and pets.

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**Warranty:**

When product is used according to directions; warranty is limited to the refund of the purchase price if deemed defective at manufacturer. Products exceeding their shelf life are excluded from this warranty.

Products are intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on their use, installation or product suitability.

Builders Construction Products is not liable to the purchaser or any third party for labor costs, direct or indirect, or any consequential damages related or due to the use, suitability or installation of this product.

No other warranties are implied. No one is authorized to make modifications or misrepresentations of warranties other than what is expressed or covered in this document. Purchaser and or the end user agrees to assume all responsibility for use, transport and proper disposal of un-used product and packaging.

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