

# Technical Data Sheet

## *Hicrete Dura Hard (Color Hardener)*

### *A Surface Colorant And Hardener For Fresh Concrete*

#### **Product Description:**

*Hicrete Dura Hard is a ready-to-use, high performance blend of quality Portland Cement, Silicates, Color Fast Iron Oxide Pigments and a special blend of Modifiers. It is designed for maximum surface strength, abrasion, and freeze/thaw resistance. By having all of the necessary ingredients pre-blended in a controlled environment, the proper ratios of cement, silicates, pigments and modifiers are consistent. This quality control promotes color uniformity, product consistency, workability and reliability.*

#### **Direction For Use:**

**Concrete:** *Use a peaceable and finishable concrete mix of the required strength design with a slump not to exceed 125 mm and with not more than 3% - 6% entrained air.*

#### **First Application:**

*The Hicrete Color Hardener must obtain all its moisture from the base slab. The addition of any water will destroy the integrity of the wearing surface and cause bond failure. When most of the bleed water has evaporated from the surface of the concrete, cast on the Hicrete Color Hardener allowing the material to sift through the gloved fingers while moving the hand. Apply uniformly at a rate of 13.5Kg-18.5Kg. per 100 sq. ft. Apply to areas adjacent to walls, columns, forms and doorways as soon as possible as these areas lose moisture more rapidly. As soon as the Hicrete Color Hardener has absorbed moisture from the concrete beneath (noticeable by a darkening of the surface), float the surface just enough to bring the moisture through the Hicrete Color Hardener and to achieve a "Paste".*

#### **Second Application:**

*The second application is then applied immediately so it can absorb the moisture through the first application before it evaporates. Apply the second application at right angles to the first for more even color and thickness. Apply uniformly at a rate of 9Kg – 13.6Kg. Per 100 sq. ft. When the second application has absorbed moisture (indicated by darkening of the surface), float the surface again.*



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### **Touch up:**

*Next, immediately apply Hicrete Dura Hard Color Hardener to any light areas and edges, wait for the moisture to absorb into them and float entire surface using a round edged steel Fresno. Your edging should also be done at this time.*

### **Stamp Finishes:**

*After sufficient bleed water has evaporated from the slab, apply a coat of Hicrete Powder Release Agent.*

### **Coverage:**

- Heavy Duty Industrial Use. : 36Kg – 45 Kg. per 100 sq. ft. of surface area.
- Medium Duty Industrial Use. : 25Kg- 36Kg per 100 sq. ft. of surface area.
- Light Colors : 36Kg – 45 Kg. per 100 sq. ft. of surface area

*It is the minimum Coverages to achieve uniform color over a grey concrete slab.*

### **Benefits:**

- Resistant to freeze thaw and automotive vehicular traffic
- Available in 25 standard colors as well as custom Colouring
- Moisture insensitive after curing errors.

### **Advantages:**

- High Abrasion and Impact Resistance when sealed.
- Weather / Stain Resistant
- UV Stable
- May be Chemically Stained
- Colors will not fade
- Enhances job productivity and reduces job-site

### **Technical Data : (BS EN 1015- 11 Compressive Strength)**

- 3 Days - 30 N/mm<sup>2</sup>
- 7 Days. - 36 N/mm<sup>2</sup>
- 28 Days - 43 N/mm<sup>2</sup>

\*Testing Result from an Independent Laboratory \*The information contained herein is based on data believed to be reliable, but to Hicrete Decorative Systems Pvt Ltd. makes no warranties expressed or implied as to its accuracy and assumes no liability arising out of its use by other.



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### **Limited Warranty:**

*This product is warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over its use, no warranty expressed or implied, is made as to the effect of such use. Seller's and Manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.*

