

## Colour Hardener

### Description

A granolithic concrete material that strengthens and colours concrete floors. It is a special blend of cement, very hard-wearing aggregates, lime fast pigments and certain additives which set rock-hard, have exceptional abrasion resistance and reduces drying shrinkage.

### Purpose

To provide a very hard-wearing, attractive colouring system for the surface of concrete, whether steel floated to a smooth finish or textured, stamped or rolled to obtain different tiled or paved effects.

### Types

One type only, but used in conjunction with Cemcrete Coloured Release Agent in contrasting colours if to be imprinted with a design.

### Advantages

Improved abrasive resistance. Thoroughly colours concrete to a depth of about 2mm. No risk of colour being rubbed off or abraded. No need to repaint. Colours are light and alkali proof.

### Applications

Recommended for dusting onto wet concrete or topping when laid prior to floating and/or imprinting. More than one colour can be used, depending on the effect desired.

### Site Work

#### Storage

Unopened bags can be stored on slats in a dry shed for 6 months.

### Surface preparation

Remove all bleed water. Apply Colour Hardener to wet concrete or topping before final set has taken place. Refer to Screed Data Sheet for correct mixes.

### Weather

Do not apply if rain or freezing conditions are expected within 4 hours of application. Cover during hot, dry weather to avoid premature drying which will halt the hydration process of the cement and reduce the ultimate strength.

### Mixing

Use in dry powder form for dusting onto concrete or screed surface before final wood- and steel floating takes place.

### Masking

Mask all areas where there is a risk of splashing and staining and where straight edges are required.

### Application

Surface to be damp, but not glistening with water. Surface can be de-watered by vacuum prior to application. Apply by dry shake hand method at the rate of about 2 to 5kg/m<sup>2</sup> by dusting directly onto surface and float to obtain an even colour. For best results apply in two operations; the first with about 60% of the Colour Hardener required and, once floated, the balance where necessary. Finish with a mechanical or hand held steel float to a smooth finish.

### Imprinting

Dust Coloured Release Agent onto smooth finish being sure to cover the whole surface to prevent the mould from sticking to wet concrete. More than one colour can be used for different effects. Imprint as desired. Leave to harden for approximately 72 hours, clean off excess Coloured Release Agent by sweeping with a soft broom and then wash with a high-pressure hose.

### Curing

Leave to air cure for 1 day after completion. Damp down with water twice daily for 7 days. This hardening period is to avoid premature drying of the concrete which will reduce the final strength. Allow to cure for a minimum of 14 days before sealing.

### Sealing

Exterior floors : apply 2 coats of Cemcrete Colour Hardener Sealer or Cemcrete Concrete Sealer in accordance with its data sheet.

### Coverage

Approximately 2 to 5kg/m<sup>2</sup>; depending on colour.

### Packaging

Supplied in 20kg non-returnable paper bags.

### Technical Information

Cemcrete provides a free comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology.

Head Office  
8 Telford Street, Industria  
Tel. (011) 474-2415  
Fax (011) 474-2416  
info@cemcrete.co.za  
www.cemcrete.co.za

Gauteng; Mpumalanga  
Gareth Beaven  
082 566-3107  
gareth@cemcrete.co.za

North West Province;  
Limpopo; Botswana;  
Mozambique  
Andre van Eck  
083 305-6313  
andreve@cemcrete.co.za

Kwa-Zulu Natal; Free State  
Dave Rose  
082 894-4635  
Tel./Fax (031) 903-1374  
dave@cemcrete.co.za

Eastern, Western &  
Northern Cape; Namibia  
Sean Cloete  
073 251-4861  
Tel. (021) 911-0200  
Fax (021) 930-2738  
sean@cemcrete.co.za