

## ConFloor Hardtop

Mineral based, dry shake surface hardener for fresh concrete floor

### DESCRIPTION

ConFloor Hardtop is a ready to use, dry shake floor hardener, based on cement, high quality quartz silica, non-metallic aggregates and plasticizers. The high cement content and the low water cement ratio in the resulting topping provide a more durable finish to concrete floors. It is ideally suitable for all industrial indoor & out door areas subjected to heavy traffic.

### USES

ConFloor Hardtop is suitable for all floors exposed to severe mechanical wear such as;

- Commercial & Industrial facilities
- Warehouses
- Loading Bays
- Power Stations
- Laboratories
- Work Shops
- Parking Garages & Ramps

### ADVANTAGES

- Ready to use
- Hardens fresh concrete in a single operation
- Forms monolithic bond with fresh concrete base
- Excellent abrasion resistance
- Easy application
- Durable
- Range of colors
- Due to Non-metallic aggregates, floor will not rust when it's wet.
- Hard surface resistant to oils & grease

### TECHNICAL SPECS & PROPERTIES

Appearance	Cementitious Powder
Packing	20 Kgs. Bag
Density	Approximately 1,800 Kg./- M <sup>3</sup>
Compressive Strength	70 N/mm <sup>2</sup> @ 28 days
Moh Hardness	7 (Steel score)
Minimum abrasion resistance achieved	220
Colors	Grey, Other colors available on request.

### APPLICABLE STANDARDS

BS 1881 Part 116, ASTM C 779-89

### APPLICATION INSTRUCTIONS

**Preparation:** Prior to applying the floor hardener it is recommended that the product be laid out along either side of the pour to ensure the correct application rate.

**Application:** Apply the dry ConFloor Hardtop to the freshly poured concrete surface by broadcasting evenly by hand or with a suitable spreading device.

The first application should be applied as soon as the surface water has disappeared. The product is dusted onto the surface to give an even appearance. The first application is allowed to soak up water from the base concrete before being floated into the surface. Immediately this operation is finished the second half of the application may proceed in the same manner as above. Once the second application is floated

into the surface the finishing operation is the same as for normal concrete to give the desired finish. The edges of slabs along formwork and areas near doorways will dry at a faster rate than the rest of the pour and must be watched to ensure that the surface gets the required dosage of **ConFloor Hardtop** and is floated up while there is still sufficient moisture available.

**Curing:** The application of a curing membrane such as **ConCure WB** is necessary to improve the durability of the concrete surface.

### **CLEAN UP**

Clean all equipment with water immediately after use.

### **PACKAGING**

**ConFloor Hardtop** is supplied in 20 Kg. Bags.

### **ESTIMATING**

Estimating Data:

Dosage for normal finish : 5 kg/-m<sup>2</sup>

Coverage : 4 m<sup>2</sup> /- 20 kg bag

### **STORAGE**

**ConFloor Hardtop** has a shelf life of 12 months. Its Cementitious based powder must be stored in the original unopened bags at 5<sup>0</sup> -30<sup>0</sup> C. under covered storage area.

### **HEALTH & SAFETY PRECAUTIONS:**

Where temperatures is less than 5<sup>0</sup> C or greater than 35<sup>0</sup> C are encountered, contact our Technical Staff for specific advice. **ConFloor Hardtop** is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with cementitious products can cause sensitization in some people

handling this type of product. Where this occurs, seek medical advice before continuing use.

### **TECHNICAL SERVICES:**

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

### **Important Note:**

**RADIANT Construction Technologies** manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.