

# ALEXFLOOR CORUNDUM



## Dry Shake Monolithic Surface Floor Hardener

### Description

**ALEX FLOOR CORUNDUM** is a dry shake on non-metallic floor hardener, it is formulated from a modified polymer with graded corundum rocks recommended for slabs where a hard abrasion and heavy duty loads occurs.

### Uses

- Garages
- Car maintenance and washes.
- Factories
- Restaurants, shops
- Industrial areas
- Fuel station
- Ware houses
- Parking area
- Power station
- Traffic decking
- Helicopter pads

### Advantages

- Economic installation
- Simple and easy to use to fresh concrete
- New or old floor can be treated
- Available in a range of colours
- Resistant to oils and greases.
- Provides a hard, abrasion resistant surface.
- Long life performance.

- Non dusting.
- Non oxidizing.
- Low permeability compared with concrete under the same condition.
- Valid for internal and external use.

### Properties

Colour	Grey,Brown ,Brick red	
Compressive strength	28 Days	75N/mm2
Portland cement content	320 Kg/m3 minimum	
Water /cement ratio	0.55 maximum	
Slump	75-100mm	
Air content	3% maximum	
Thickness of screed	120 mm minimum	
Abrasion resistance	Up to 400%	

### Guide in application

#### Application:

The rate of use of **ALEXFLOOR CORUNDUM** should is mainly depends on the rate of expected traffic (medium-heavy).

### **1-Timinig of application:**

Timing of the application of **ALEXFLOOR CORUNDUM** is important. Too early and excess water will be absorbed and the resultant floor surface will be absorbed and the resultant floor surface will be of lower strength and subject to dusting. Also the dense aggregate of **ALEXFLOOR CORUNDUM** could sink and be lost from the surface. The approximate time when foot step leave 3 mm imprint in concrete surface.

### **2-Curing**

Tests have shown that the proper curing of concrete floors treated with products such as **ALEXFLOOR CORUNDUM** is essential to ensure the physical properties of the floor.  
(Recommended ALEXCURE WB)

### **3- Ready to use:**

**ALEXFLOOR CORUNDUM** is supplied ready to use on site. Never add cement or aggregates to it.

### **Guide in application**

#### **Application:**

The base concrete should have a minimum Cement content of 320 Kg/m<sup>3</sup>. The concrete mix should be designed to minimize segregation and bleeding of concrete.  
Free water: cement ratios of less than 0.55 are required.

The concrete should have a slump of between 75 and 100 mm, use a water reducing admixture is recommended.

The base concrete should be laid and compacted in accordance with good concrete practice. Accurate finished profile and minimum laitance build up should be ensured. Particular attention should be paid to bay edges and corners to ensure full compaction.

When the concrete surface becomes stiff foot leave about 3 mm or imprint start adding **ALEXFLOOR CORUNDUM** on 2 times and the surface to be finished by mechanical helicopter as:-

- Speed 2/3 of the quantity and finish the surface by using a wooden float or mechanical power float (Helicopter)
- Add residual (1/3 quantity) then float again.

#### **Coverage**

4 kg/m<sup>2</sup> for medium traffic  
6 kg/m<sup>2</sup> for heavy traffic

#### **Storage:**

Store out of direct sunlight, clear of the Ground on pallets protected from rain fall.  
Protect from extremes of temperatures.

#### **Shelf life:**

Up to 12 months if stored in unopened Containers according to the manufactured Instructions

#### **Packaging:**

**ALEXFLOOR CORUNDUM** is supplied in sealed 25 Kg.Bags

**Safety precautions:**

**ALEXFLOOR CORUNDUM** is non flammable, any splashes on skin should be washed with water.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.