



**weberfloor Duratop 357**



**Non-metallic dry shake floor hardener**



## Product description

**weberfloor Duratop 357** is a unique blend of specially graded non-metallic hard wearing natural aggregates which is ready to use at site. It is uniformly broadcasted over freshly floated concrete floor to impart a dense, abrasion resistant and hard wearing concrete surface.

## Typical application

- Weberfloor Duratop 357 is applied by dry shake method on concrete floor subjected to frequent, moderate to heavy dynamic loads in various areas like car parks, ramps, workshops, industrial floors, warehouses, loading bays, steel plants etc.
- Being non-metallic surface hardener, this product can also be used in wet areas like cold storages, abattoirs, distillation plants.

## Features and benefits

- Provides a hard wearing abrasion resistant floor.
- Being non-metallic, does not rust or stain on contact with water.
- Densifies top surface of concrete.
- Provides non slip surface.
- Reduces permeability and lowers ingress of oils and other liquids.
- Improves durability of concrete by reducing erosion of concrete slab due to vehicular traffic.
- Easy to use with no additional application process, can be applied while laying concrete slab.
- Lower dust generation when compared with controlled concrete slab.
- Floor available for use immediately after curing of concrete slab.

## Surface requirement

- The concrete mix design for laying monolithic

for attaining compressive strength of minimum 25 MPa in 28 days.

- The concrete mix should be designed to minimize segregation and bleeding and must not contain any chloride based additive. Concrete slump between 75-100 mm is recommended.
- The base concrete must be laid and compacted in accordance to good concrete practices. Corners and edges may need special attention to ensure proper compaction.

## Method of application

- Before starting the concrete laying, divide the concrete into small sized bays so as to have uniform spreading. The concrete must be left to become stiff for light foot traffic, leaving the footprint not deeper than 3-5 mm, before starting the application. This takes around 30-35 mins at a temperature of 35-40°C.
- Weberfloor Duratop 357 is applied in 2 steps. In first step, broadcast 50% - 70% of total material uniformly over the concrete surface. When the sprinkled product becomes dark uniformly from the moisture absorption of the concrete, the first application can now be floated by using wooden trowel or using power float in large areas. Do not over-work the surface.
- In second step, sprinkle evenly the remaining 30% - 50% of weberfloor Duratop 357 on the surface. After the moisture is absorbed, the surface can be floated as the same way as the first step.
- Final finishing by using blades or power float can be done when the floor has stiffened properly.
- Particular attention should be paid to bay edges and corners to absorb heavy impact or wear. Sprinkle weberfloor Duratop 357 over a strip of 100-150 mm wide along the bay edges

and manually finish it with steel trowel. This finishing should take place before concrete becomes firm enough to take foot traffic.

## Curing

Proper curing of floors treated with Weberfloor Duratop 357 is essential to attain designed properties of floor. The floor must be covered with polyethylene sheets after final troweling. In indoor applications water ponding can also be used.

## Precautions

- Application timing is very important. If too early, excess water will be absorbed and the surface strength could be lower than normal and dust can be caused. If too late, moisture can be insufficient to completely hydrate the product.
- Addition of cement in mix or spraying of water on concrete slab must be completely avoided.
- Weberfloor Duratop 357 is not recommended for surfaces exposed to acids or other corrosive materials. For such surfaces, please refer our floor coating range of products.
- When using coloured weberfloor Duratop 357, apply atleast 5-6 kg/m<sup>2</sup>.

## Properties

Properties	Test method	Result
Colour	Visual	Natural grey. Other colours available on request
Abrasion resistance	IS 1237-1980	~1.4 mm thickness loss (average)
Compressive strength	ASTM C 109	Minimum 50 MPa
Moh's Hardness		8

## Coverage

- 7.0 kg/sqm - Heavy duty.
- 5.0 kg/sqm - Medium duty.
- 3.0 kg/sqm - Light duty.
- The maximum recommended rate for Vacuum dewatered floors is 5 kg/m<sup>2</sup>.

## Shelf Life

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## Health & safety

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable to do the application a well ventilated area, to wear protective gear for hands, eyes and respiratory system and to avoid dust inhaling. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. This product is non-flammable.

**PRODUCT FOR PROFESSIONAL USE ONLY.**



FDS / SDS / DoP  
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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