



UCODIAMOND-TOP

IF-144

Impact and Abrasion Resistance Non-Metallic Floor Hardener

Product

UCODIAMOND-TOP is a factory blended ready to use cementitious non-metallic floor hardener for all industrial areas subject to heaviest traffic.

Composition

UCODIAMOND-TOP is based on well-graded non-metallic hardwearing aggregates, chemicals and selected Portland cements.

Description

UCODIAMOND-TOP is a ready to use non-metallic dry shake floor hardener that provides a highly abrasion and impact resistance dust-free surface to concrete floors that withstand spillages of Oil, Grease and certain industrial chemicals.

UCODIAMOND-TOP is easy to trowel in to the surface of fresh, wet concrete which cures monolithically to provide a dense, non-porous, toughen and hard wearing surface suitable for industrial use.

Properties

- A. Abrasion Resistance:
UCODIAMOND-TOP has been tested as per IS 1237-1980 and found test result shows that UCODIAMOND-TOP improves the abrasion resistance of concrete by 255%
- B. High compressive strength:
UCODIAMOND-TOP has a compressive strength of 75 N/mm² at 28 days
- C. Light Reflectance
UCODIAMOND-TOP can reduce the lighting requirement in industrial application and hence save energy costs in long term.

Technical Data

Form Grey Powder
Hardness..... 7 Moh's
Water absorption..... 6.0 to 6.5%

Advantages

- Increased durability
- Good impact and abrasion resistant
- Forms monolithic bond with base concrete
- Easy to use, factory controlled
- Dust free, non-slip surface
- Resistant to Oil/Grease Spillages
- Economical and very good finish

Purpose

UCODIAMOND-TOP is designed to increase the durability and impact resistance of industrial and commercial concrete floors.

Where to Use

UCODIAMOND-TOP is suitable for areas subject to constant impact such as quays, foundries, walkways, machine tool shops, car parks, garages, service stations, machine showrooms, shopping center, warehouses, laboratories, abattoirs, bakeries, subways, power stations, Engineering workshops etc.

Method of Use

Base Concrete:

The base concrete should have minimum cement content of 300 KG/m³ with water cement ratio being kept to a minimum to produce zero slumps. Particular care should be taken at bay edges.

Dry Shake Method:

UCODIAMOND-TOP should be applied when the base concrete is sufficiently firm to take the weight of both workman and power float and leaving foot prints about 3 mm in depth no free water should be evident. Do not delay application when this point is reached.

Broad Casting

Broad casting UCODIAMOND-TOP in two equal stages first apply at the rate of 3.5 KG/m² by sprinkling evenly on to the concrete surface carryout the first power trowel or hand trowel and then repeat the operation but broadcast the second stage at right angles to the first.

Finally, when the sheen begins to leave the surface, carry out power trowelling to close the pores and completely level the surface. Do not over trowel.

Curing:

Curing should be carried out immediately after the final trowelling operation has been completed.

Coverage

Heavy duty	:	6 KG/m ²
Medium Duty	:	5 KG/m ²
Light Duty	:	4 KG/m ²

Packing

25 and 50 KG bags

Storage

- UCODIAMOND-TOP has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution

- UCODIAMOND-TOP is an industrial chemical; required handling precautions should be followed.
- UCODIAMOND-TOP is non-flammable and doesn't contain any flammable ingredient.
- UCODIAMOND-TOP is non-hazardous; however, inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:

All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

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