



UCOTOP-SPL

IF-142

Impact and Abrasion resistance Non-Metallic Floor Hardener

Product

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

Composition

UCOTOP-SPL is based on well-graded metallic hardwearing aggregates, chemicals and selected portland cements.

Description

UCOTOP-SPL 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.

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

Properties

1. Abrasion Resistance
UCOTOP-SPL has been tested as per IS 1237-1980 and found test result shows that UCOTOP-SPL improves the abrasion resistance of concrete by 255%
2. High Compressive Strength
UCOTOP-SPL has a compressive strength of 75 N/mm² at 28 days
3. Light Reflectance
UCOTOP-SPL 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 finishing

Purpose

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

Where to Use

UCOTOP-SPL is suitable for areas subject to constant impact such as quays, foundries, walkways, machine tool shops, car parks, garages, service stations, machine showrooms, shopping centers, 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

UCOTOP-SPL 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 UCOTOP-SPL 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	:	5 KG/m ²
Medium Duty	:	4 KG/m ²
Light Duty	:	3 KG/m ²

Packing

25, 50 KG bags

Storage

- UCOTOP-SPL 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

- UCOTOP-SPL is an industrial chemical; required handling precautions should be followed.
- UCOTOP-SPL is non-flammable and doesn't contain any flammable ingredient.
- UCOTOP-SPL 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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