

CALISTO HARDTOP

Quartz Based Floor Hardener

DESCRIPTION

Calisto Hardtop is a floor hardening compound based on non metallic aggregates and a blend of ordinary Portland cements and activating chemicals. Calisto Hardtop is used on green concrete of industrial floors to achieve high abrasion and impact resistance properties on the finished floors. Calisto Hardtop is based on non metallic quartz aggregates. Calisto Hardtop treated floors are ideal for places where chemical spillages are expected, and where metallic aggregates are not desired. Calisto Hardtop is used in concreting of floors for laboratories, chemical factories, breweries, shopping centres, super markets etc.

AREA OF APPLICATION

- Calisto Hardtop is designed for high abrasion and impact resistance properties to the concrete floors.
- Factories, workshops, showrooms, food and beverage processing areas, Where a durable, non-rusting, non-slip floor is required to with stand moderate to heavy traffic
- Non-Metallic Quartz Based Floor Hardener
- Providing a durable, non-slip surface on ramps, stairs, landings etc. under wet or dry conditions
- Freezers & chillers with forklift traffic
- Calisto Hardtop is not recommended for use in areas where floor surface will be exposed to acids, their salts or materials which seriously and rapidly attack concrete.

FEATURES

- High abrasion and impact resistance - Long service life
- Better abrasion resistance than plain concrete - Extended service life
- Non rusting - Suitable for wet environments
- Non-slip - Improved safety for personnel and forklifts in wet environments.
- Dense surface - Resists oil and grease penetration
- Coloured surface - Can create aesthetically pleasing environment
- Easy application at time of placing concrete - Floor available for full service once concrete is cured.
- Able to applied at higher ambient temperatures - Wide application range

BASE CONCRETING

The base concrete should be well designed incorporating at least 350 kgs of cement per cubic meter of concrete and water cement ratio to be kept at a minimum to produce low slump concrete. Floor concrete needs to be well vibrated and power floated.

METHOD OF USE

After floor concreting when the concrete is firm to take the weight of workman sprinkle Calisto Hardtop at the desired rate on the green concrete and trowel it in with metal floats or power trowel. Care should be taken to see that concrete surface is just ready to receive dry shake powder. If delayed too much it will become unworkable and if Calisto Hardtop sprinkled too early it will get mixed with the concrete and loose its utility. Sprinkling of Calisto Hardtop should be controlled such that a uniform quantity of the product is sprinkled throughout. It may be suggested that broadcasting of Calisto Hardtop be done in two stages. The second stage of broadcasting done in a perpendicular direction to the first stage broad cast.

COVERAGE

Dry shake Method

1. Light Duty : 2 to 3.5 kg/ sqm
2. Heavy Duty : 4 to 6.0 kg/sqm

PACKAGING

CALISTO HARDTOP is available in 50kg.

STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30oC.

TECHNICAL PROPERTIES

Form	Powder
Max. grain size	2mm
Hardness	7 on MOH'S scale
Abrasion resistance 1kg H22 Wheel	< 750 mg

HEALTH & SAFETY

Exercise caution and use protective clothing such as gloves and goggles. Inhalation of vapour or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air & if need be start artificial respiration. Give oxygen if breathing is labored & call emergency medical help. In case of eye contact flush with water for 15 minutes and call for medical help. If swallowed will cause nausea, vomiting, and loss of consciousness. Do not induce vomiting rather call for medical help. If contact with skin flush with water/soap & water until all traces are removed. Seek medical attention if required.



MANUFACTURED BY

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