

CAP EMERY TOP

EMERY BASE HARD WEARING MONOLITHIC TOPPING

DESCRIPTION

CAP EMERY TOP is a dry shake surface hardener compound with blend of cement, wetting agent and hard wearing (aluminum oxide) emery aggregate. **CAP EMERY TOP** provides high abrasion resistant and slip resistant surface finish as a monolithic surface.

STANDARD /APPLICABLE TEST METHOD

ASTM C-109 , BS 8204 Part-2

COLOUR

Cement gray

USES

- Ware house and factories.
- Mechanical workshop.
- Power stations.
- Ship yards.
- Loading platform.
- Air craft hangars.
- Parking areas.
- Corridor and halls.
- Helicopter pads.

And other flooring areas requiring hard, abrasion and impact resistant surface.

ADVANTAGES

- Premixed ready to use.
- Provides a high wear resistance surface.
- Dense surface resist penetration of oil and grease.
- High impermeability compared to ordinary concrete.

PROPERTIES

Compressive strength

@ 28 days at 0.1 w/p ratio : $\geq 700 \text{ Kg/cm}^2$

Wear resistant

: Extremely hard wearing surface

Chemical resistance

: Will resist motor and mineral oils

Aggregate hardness

on Moh's scale

: Approximately 9

Industrial floor surfaces treated with **CAP EMERY TOP** is resistant to water, oil, mild solvents, detergent and salts. Not recommended for floors subject to acids and other corrosive chemicals.

APPLICATION INSTRUCTION

Base concrete

Use concrete of required mix design with 80-100 mm slump range, following placement concrete should be leveled off with a straight edge and then vibrated. The surface is then floated with wooden float ensuring that surface is not close. Bleed water should be removed. **CAP EMERY TOP** can be ideally applied to surface which is neither too wet nor too dry.

First shake

Using a raised trestle which spans the slab, broadcast $2/3^{\text{rd}}$ of the total shake mix in first application by hand into the wet concrete surface. First treat adjacent to walls and columns and then sprinkle the material evenly at right angle in two pass close to floor level.

Do not sprinkle from a stationary position to avoid non uniform distribution of **CAP EMERY TOP**

Allow the applied material to absorb moisture from the concrete surface, which is apparent by a uniform dark color.

First floating

Using a wooden float, work on the applied shake promptly into concrete, ensuring the material becomes an integral part of the surface. First work over the wall, column and door area.

Second shake/Floating

Broad cast balance of material, wait until material absorbs water from the base slab and float with a wooden float.

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Final floating

When surface is firm enough for foot traffic, proceed with power troweling by setting trowel blade at flat angles, and bring the surfaces to a perfect finish. Surface should not be overworked and eliminate trowel marks or any other flaws.

Curing

CAP EMERY TOP is a cementitious material and hence a good curing practice has to be adapted. Cure the slab by spraying curing compound CURACOAT-R or CURACOAT-P or by a polyethylene sheet. Curing is very important and should take place immediately upon completion of finishing

Cleaning

CAP EMERY TOP should be removed from equipment and tools with water immediately.

COVERAGE

Light and moderate Duty: 4-5 kg/m²
Heavy duty : 7-8 kg/m²

PACKAGING

CAP EMERY TOP supplied in 20 kg bag.

STORAGE

CAP EMERY TOP should be stored over pallets in a cool dry place. Shelf life will be 12 months in unopened bags.

SAFETY PRECAUTIONS

CAP EMERY TOP does not contain toxic materials. Avoid inhalation of dust and to prevent material entering into eyes.

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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