

Rocky CCAC

Description

ROCKY CCAC is an acrylic emulsion based concrete curing compound which is used to prevent the rapid evaporation of water from fresh concrete surfaces. The resultant film retains sufficient moisture in the concrete to ensure uniform hydration, high surface strength, dust free, and higher resistance to abrasion and protection from drying shrinkage.

Use

- Car park, decks and ramps
- Warehouses and unloading base
- Highways and airport runways
- Concrete tanks and reservoirs
- Floor Slabs
- Ports

Advantages

- High curing efficiency. Improves uniform hydration
- Creates a dust free, hard wearing surface
- Eliminates the need for water curing
- UV, chemical and abrasion resistant
- Improves the durability of concrete surface

- Reduces surface cracking and shrinkage
- Water based. Eco-friendly
- Cost effective
- Ready to use

Compliance Standard

- ASTM - C 309, Type 1 & 2
- BS7542, BS8110
- BS 6920

Technical Properties

Appearance	White emulsion (clear film upon drying)
Density at 25°C	1.02 kg/L
VOC	0.9 g/L
Drying Time at 25 °C	30 – 40 minutes
pH at 25 °C	8.0-9.0
Efficiency – White Pigmented (BS7542-1992)	90%
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Pre-application

ROCKY CCAC should be stirred before application. Product is ready for use directly from the drum and should not be diluted with water.

Surface should be free of water. In case of horizontal surfaces, the product should be applied as soon as the bleed water has evaporated from the surface. With formed concrete, ROCKY CCAC should be applied immediately upon removal of the formwork.

Application

ROCKY CCAC should be applied uniformly by brush, roller or spray to the surface of fresh concrete at a rate of 5m²/liter. In certain cases, especially during high temperature or windy seasons, rate of application might be increased.

Application should be back and forth to ensure complete coverage. The coating cures to form a clear film which provides a moisture barrier to enable effective curing.

Do not spray water or any other material after applying ROCKY CCAC. Allow the

surface to cure without any disturbance until a seamless strong film is formed. No compaction or vibrating acts are allowed close to the cured area as this will break the freshly sprayed film.

Application on damp surface is preferable as dry concrete surface may absorb ROCKY CCAC emulsion, which may cause difficulty to remove the dry film at a later stage.

ROCKY CCAC should be applied to newly hardened concrete immediately after demolding. It should never be applied on concrete which has started to dry out, otherwise the hydration mechanism will be seriously impaired.

Over-coating and Removal

ROCKY CCAC must be removed from concrete surface before the application of subsequent coating work commences, to promote a proper bond between the concrete and the applied coating.

Although the membrane will be slowly removed by normal trafficking & UV exposure, this is likely to be inconsistent. To ensure complete removal, use high pressure steam, water blasting or light sand blasting.

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Cleaning

Equipment and tools used should be cleaned promptly with water.

Recommendations

- Should not be applied onto dry surfaces which may lead to absorption and will be difficult to remove
- ROCKY CCAC is not an aesthetic coating. It should be therefore removed from the concrete after 28 days

Coverage

ROCKY CCAC is packed in plastic containers of 20 liters and 210 liters. Consumption: 6-8 m²/liter, depending on concrete surface condition.

Shelf Life & Storage

Store in dry covered place in the original closed bags. In these conditions, the product shelf life is 12 months from production date.

Health & Safety

ROCKY CCAC does not fall into hazardous classification of current regulation. However, it should not be swallowed or allowed to come into contact with skin or eyes in either spray or bulk form.

Splashes on the skin should be removed with water. In case in contact with eyes, rinse immediately with water and seek medical attention.

If swallowed, seek medical attention immediately. Wear suitable protective clothing, gloves and goggles.

Important Note

The information in this Technical Data Sheet is based on Rocky-SCM Canada's experience. Rocky-SCM does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Rocky-SCM Data Sheets are updates on regular basis. It is the user's responsibility to obtain the latest version.