

CEMSCREED FAIRING COAT

Single component, polymer modified, fairing coat

BENEFITS

- Requires only the addition of mixing water
- Shrinkage compensating
- Excellent adhesion to concrete
- Smooth, easily produced finish
- Low permeability
- Excellent resistance to freeze/thaw action and carbonation
- Reduces ingress of waterborne salts, such as chlorides, and atmospheric/chemical attack
- Can be used as a fairing coat to cover and improve irregular finishes on concrete surfaces
- Suitable for filling blowholes and small areas of honeycombing
- Ideal as a skim coat prior to the application of protective coatings and paint systems.

DESCRIPTION

CEMSCREED FAIRING COAT is a single-component, acrylic polymer-modified, cement-based fairing coat. It is designed for thin layer applications onto concrete surfaces. Its primary use is to prepare concrete surfaces prior to the application of a protective coating system. Surface irregularities of up to 3mm can be filled with a scrape coat application. It is ideally suited for filling blowholes and all surface blemishes. The use of specially selected and formulated polymers means subsequent curing of **CEMSCREED FAIRING COAT** is generally not required for internal applications.

USES

- **CEMSCREED FAIRING COAT** can be used as a 'skim' coat prior to the application of protective coatings.
- As a fairing coat to cover and improve blemishes in concrete surfaces, such as slight honeycombing, blowholes, defects caused by 'sand runs,' patch repairs, shutter movement, and grout loss.
- As a preparatory treatment to concrete surfaces before applying a thin-film protective coating.
- To produce a uniform surface over repaired areas.
- For general reprofiling over large areas, up to 3 mm depth.

PROPERTIES

Appearance	Light Grey
Wet density	1800 kg/m ³
Workable time (at 30°C)	~45 minutes
Pull-off test as per ASTM D4541	1 N/mm ²

APPLICATIONS

Surface Preparation: Clean the surface and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits, or algae. Roughen the surface to remove any laitance and expose the fine aggregate by light scrubbing or grit-blasting. Oil and grease deposits should be removed by steam cleaning, detergent scrubbing, or using a proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test. The cleaned areas should be blown clean with oil-free compressed air before continuing. All prepared areas should be thoroughly soaked with clean water immediately prior to the application of **CEMSCREED FAIRING COAT**. Any residual surface water should be removed prior to commencement.

Mixing - Small Quantities: Care should be taken to ensure that **CEMSCREED FAIRING COAT** is thoroughly mixed. Small quantities (up to 5 kg) can be mixed using a suitable mixing drum or bucket. Greater quantities should be mixed using a forced-action mixer. When mixing small quantities by hand, add 3 volumes of **CEMSCREED FAIRING COAT** powder to one volume of potable water. Mix vigorously until fully homogeneous.

Mixing - Large Quantities: For larger volumes, place 8.75 liters of cool, potable water into the mixer. With the machine in operation, add one full 25 kg bag of **CEMSCREED FAIRING COAT** and mix continuously for 3 to 5 minutes until fully homogeneous. Water addition may vary slightly according to ambient temperature and the desired consistency of the mix. For enhanced anti-dusting or performance properties, add 1 liter of **FAIRCRETE SB(L)** to the gauging water until the desired consistency is achieved. In all cases, **CEMSCREED FAIRING COAT** powder must be added to the water.

Application: Apply the mixed **CEMSCREED FAIRING COAT** to the prepared substrate, up to 3 mm thickness, using a steel trowel. It should be applied with minimal

CEMSCREED FAIRING COAT

working and allowed to partly set before final trowelling to a smooth finish. If a very smooth finish is required, a small amount of water may be flicked onto the surface of the **CEMSCREED FAIRING COAT** with a paintbrush prior to final trowelling. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

Curing: Curing is generally not required. However, under extreme conditions (high temperatures $\geq 45^{\circ}\text{C}$, low humidity < 50 RH, and drying winds), it may be prudent to use **SAFECORE AR** as a curing compound. **SAFECORE AR** does not require mechanical removal prior to overcoating.

Equipment Care: Tools and equipment should be cleaned with water immediately after use.

PACKAGING & COVERAGE

CEMSCREED FAIRING COAT is supplied in 25 kg bags. One 25 kg bag of **CEMSCREED FAIRING COAT** will typically yield 19 liters of mortar and will cover approximately 19 m^2 at 1 mm thickness.

SHELF LIFE & STORAGE

CEMSCREED FAIRING COAT has a shelf life of **12 months** in unopened containers when kept in dry conditions at a temperature between 5°C and 35°C . The material must be kept in a shaded area and away from direct sunlight. Storage at higher temperatures or high humidity may reduce shelf life.

HEALTH & SAFETY

CEMSCREED FAIRING COAT is non-toxic but mildly alkaline. To protect the skin and prevent inhalation, use gloves and dust masks. In case of contact with skin or eyes, wash with clean water and seek medical advice.

SPECIFICATION

Providing and applying **CEMSCREED FAIRING COAT**, an acrylic polymer-modified cement-based fairing coat manufactured under compliance with ISO 9001, ISO 14001, and ISO 45001 (Occupational Health and Safety), certified by ISOQAR/UK. It is used for thin layer applications onto concrete surfaces at thicknesses up to 3 mm in a single application, with a wet density of 1800 kg/m^3 , a workable time at 30°C of approximately 45 minutes, and a pull-off test as per ASTM D4541 of 1 N/mm^2 , used in accordance with the guidelines of CHEMCORE.

QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO 14001 & ISO 45001 (Occupational Health and Safety) certified by ISOQAR/UK.

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our quality control laboratory and technical experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

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