

CHRYSO® EXCEM-SC

Polymer Modified Cement Based Concrete Surface Fairing Compound



Description

CHRYSO EXCEM-SC is a single component ready to use cementitious, polymer modified re-surfacing/leveling compound to fill blow/pin holes of hardened concrete. This is also used as a leveling compound on rough concrete plastered surface.

Indicative Characteristics

Appearance	Free flowing grey powder
Mixing water	30-40% by wt.
Pot Life, at 27°C, minutes	>30
Compressive Strength, 28 days, N/mm², w/p : 0.32	>20
Bond Strength, 28 days, N/mm² (Typical) at 27°C	>2(used with Tapelastac – L)

Domains of Application

CHRYSO EXCEM-SC is specially designed cementitious compound which is used as fairing coat to level the concrete surface (thickness less than 2mm) and seal blow holes/pin holes/ bug holes. After application of **CHRYSO EXCEM-SC**, the color of concrete surface will be uniformed, more aesthetic and water resistant when kept exposed. **CHRYSO EXCEM-SC** is intended for all types of concrete surfaces, pre-cast concrete industries, etc.

CHRYSO EXCEM –SC is can be used before application of any waterproof coating (**CHRYSO ARMOURCRETE**, **CHRYSO TAPELASTIC**, etc.) on vertical and overhead concrete surface application to seal blow holes, thereby a continuous uniformed waterproof coating shall be applied. The coverage of waterproof coating shall also be increased.

Method of Application Surface Preparation

All surface laitance and unsound concrete must be chipped away so that a reasonable rough, but strong sound surface is provided. All surfaces must be free from oil, grease and dust. After cleaning, saturate the concrete surfaces with clean water. Ensure that no free standing water is present on surfaces or on the concrete surfaces before application of **CHRYSO EXCEM-SC**

Mixing

Mix **CHRYSO EXCEM – SC** with desired amount of water (30-40% by wt of **CHRYSO EXCEM-SC**) as per recommended proportion with a trowel or putty knife to get a smooth lumps free paste. Leave it for 4-6 minutes and remix for few seconds before use. For high performance waterproof coating, use **CHRYSO ARMOURCRETE** by replacing water.

Application

All concrete surfaces (flat and vertical /inclined) shall be thoroughly pre-wetted to saturated surface dry condition; at the same time there should not be any standing water on the surface prior to application of **CHRYSO EXCEM-SC** system. Remix the content again with a putty knife or steel trowel and start application on prepared surface. Minimum two coats are recommended. More number of coats can be provided depending on job requirements. First coat should be allowed to air dry for 4-6 hours.

Precaution

1. Do not apply thick coat (>1mm) in one go. If higher thickness is required, apply multiple coats (or consult **CHRYSO TECHNICAL** team)
2. Do not apply on dry surface, this may lead chalking

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.chryso.com

CHRYSO India Private Limited | Registered & Corporate Office : Plot No. D -30/7, TTC Industrial Area, M.I.D.C. Turbhe, Navi Mumbai – 400705. Maharashtra, INDIA. Tel : +91 22 27685991/2



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Curing

Curing is very essential for CHRYSO range of **EXCEM-SC** Mortar. Curing shall be started within 12- 18 hours depending on climatic conditions. Curing shall be done by sprinkling of water (4-6times per day for 2-3 days) for vertical and ceiling surfaces.

Advantages

- Chloride free and non-metallic, hence no rusting or staining on exposed edges
- Excellent bond to the concrete and steel substrate
- No water permeability provides maximum protection against corrosion and carbonation

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

20kg waterproof laminated HDPE bag

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.
The MSDS is available on www.chryso.com

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