

Estogard SP 30

Hardening and Dustproofing Compound for Concrete Surfaces

Description

Estogard SP 30 is a clear liquid, inorganic strengthener applied to concrete surfaces. **Estogard SP 30** when applied to aged or green concrete penetrates deeply into the capillary pores of the concrete, reacts with free lime within the concrete to make a calcium silicate gel (CSH) that leaving a permanent, hard wearing and dust free surface.

Uses

As a surface hardener for new and old concrete floors to prevent dusting and to increase durability. Suitable for use on concrete and granolithic surfaces.

Advantages

- Solvent free.
- Colourless and odourless.
- Environmental friendly.
- Easily apply by spray, brush or roller to new or aged concrete.
- Highly durable, improves abrasion resistance and reduces chemical attack from oils and greases.
- Eliminates dust formation from within the treated surface.
- Economical and low cost method of floor protection.

Physical Properties

Form	Liquid
Color	Clear
Finished Surface	Matt
Specific Gravity	1.40 – 1.45
Drying Time	3 – 6 hours
Curing Time at 25°C	
Initial (Tack Free)	3 – 6 hours
Foot Traffic	24 hours
Light Vehicle	3 days
Final	5 – 7 days
Abrasion Resistant	maximum test wear depth of 0.1mm

Application Instruction

Surface Preparation

Surface to be treated with **Estogard SP 30** must be structurally sound and free from loose materials. Cracks or holes can be repaired using a recommended Estop repair materials which should be allowed to cure prior to proceeding.

Oil and grease contaminated surfaces should be treated with a suitable chemical de-greaser followed by washing with clean water and allowed to dry.

Any laitance or existing coating must be removed prior to application as these will prevent the **Estogard SP 30** from penetrating.

New concrete floors must be allowed to cure for 14 days prior to treatment. Coloured floors should be allowed to cure for 28 days prior to treatment and a small area tested with **Estogard SP 30** to assess the effect on the colour.

Estogard SP 30 must only be applied to dry surfaces to maximize penetration.

Application

Prior to application of **Estogard SP 30**, the floor surface shall be washed to achieve clean surface.

Ensure that the surface to be treated is dry and apply the **Estogard SP 30** at a rate of approximately 1 litre to every 5m² using a soft broom or brush.

Allow the solution to be absorbed into the floor for a period of up to 2 hours, any solution not absorbed after this period should be removed. Failure to do so will result in the formation of a weak, glossy surface film following the drying.

Normally a three coats application is recommended for complete treatment, however, very dense, well trowelled surfaces such as granolithic toppings, power floated or vacuum dewatered concrete will generally require only two coats.

If a second application is necessary, reapply the solution after 2 – 4 hours ensuring that the floor is dry. Time is approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. All surplus solution must be removed as stated previously. The same procedure will apply for a third application if required.

Limitation

- Do not add water into **Estogard SP30** mixture.
- **Estogard SP30** is not intended for chemical exposure.

Cleaning

Clean all the tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

Packing & Size

Estogard SP 30	20 litre pail
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Coverage

Estogard SP 30	5m ² / litre / coat
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** This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc.

Technical Support

Estop offers a comprehensive range of high performance, high quality of product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Estogard SP 30 should be stored in original unopened packaging in dry conditions.

Estogard SP 30 has a shelf life of 24 months.

Precautions

Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed. Seek medical attention immediately do not induce vomiting.

Additional Information

Estop manufactures and offers a wide range of complementary products which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.