

Estogard CS50e

0.5 – 1.0 mm High Build Solvent Free Epoxy Floor Coating

Description

Estogard CS50e can be either a self smoothing or roller applied epoxy floor coating capable of being laid between 0.5 mm and 1.0 mm in a single application. A bag of filler is supplied and it may or may not be necessary to add this into the epoxy depending on the thickness applied. Application is by trowel, squeegee or roller.

The product utilises a unique colour pack system and is available in a wide range of standard colours. A slip resistant texture can be provided by the use of one of the range of **Estogard Anti Skid Grains** which have been carefully graded to ensure an even texture.

Uses

For use on industrial and commercial concrete floors where a smooth easy cleaned surface is required. Typical areas of use include food processing areas, clean rooms, laboratories, hospitals and light duty manufacturing areas.

Advantages

- Hygienic: provides an easy to clean dust free surface.
- Range of colours: enhances working environment.
- Chemically resistant: protects the concrete floor surface.
- Food grade: Solvent free and taint free formulation.
- Hard wearing: good abrasion resistance.
- Will withstand foot and light vehicular traffic.

Physical Properties

Specific Gravity, kg/L	1.37 – 1.42
No. of Component	2
No. of Coat	min 2
DFT (2 coats), mm	0.5 – 1.0 (with filler)
Finish	Gloss
Colour	Refer to colour chart
At 28°C	
Workable Time, min	< 60
Tack Free Time, hrs	4 – 6
Recoat Time, hrs	6 – 24
Initial Cure Time, hrs	24
Full Cure Time, days	7



Surface Preparation

Floors should normally have been placed for at least 28 days and have a moisture content of less than 5 – 7%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed by the use of mechanical methods. Dust and other debris should then be removed by vacuum cleaning.

Priming

Priming is not normally required provided the substrate is sound, untreated and good quality nonporous concrete. If any doubts exist of the quality of the **Estoprime LV**.

The primer should be left to achieve a tack-free condition before applying the top coat. A second coat of primer may be required if the substrate is excessively porous.

Mixing

The base and hardener components of **Estogard CS50e** should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly, then add the colour pot and mix for at least 3 minutes. Mix these components in the quantities supplied taking care to ensure all containers are scraped clean. Do not add solvent thinners at any time.

Expansion joints

Expansion joints in the existing substrate must be retained and continued through the **Estogard CS50e** topping. Estop have a range of joint sealants specifically designed for flooring, contact local Estop office for advice.

Cleaning

Tools and equipment should be cleaned immediately after use with Xylene. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

Limitations

- **Estogard CS50e** should not be applied on to surfaces known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A, or by a Hammond concrete/mortar moisture tester type COCO.
- ESTOP does not recommend acid etching as a method of floor preparation. If used, the method should be approved by the project consultant.
- In common with all epoxy materials, some slight shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance. If movement or cracking of the substrate takes place after application then reflective cracking of the topping may occur.
- In areas of significant thermal shock please consult Estop. **Estogard CS50e** should not be applied to the following substrates: - Asphalt Unmodified sand cement screeds P. V. C. tiles or sheet.
- **Estogard CS50e** products should not be installed at temperatures below 10°C.

Packing & Size

Estogard CS50e	6 L / pack (8.5 kg)
Estoprime LV	5 L / pack (5.0 kg)

Coverage (Coating System)

Estogard CS50e (with a colour pot)	6 – 12 m ² / pack / coat
Estoprime LV	20 - 25 m ² / pack / coat

** The coverage may be reduced depends on porosity and roughness of the substrate surface.

Technical support

Estop offers a technical support package to specifiers, end-user and contractors, as well as on site technical assistance.

Storage

Estogard CS50e has a shelf life of 12 months if kept in a dry store in the original, unopened packs.

Precautions

Estogard CS50e, Estoprime LV should not come in contact with skin and eyes or be swallowed.

Do not use thinner in contact with product. Use of any solvent, refer to Estop Technical Department.

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.