

Product Data Sheet

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DESCRIPTION

ECF SCREED 43 is a heavy duty, epoxy resin floor screed, with high chemical resistance and strong colour definition. Sealing is necessary where impervious finishes are required. Resuscreed 43 is normally laid from 4-6mm nominal thickness.

ADVANTAGES

1. Low odour safe to use in food production areas.
2. Hard wearing durable floor for general industrial areas.
3. Easy to apply and work to achieve good quality smooth surfaces.
4. Able to be used for localised repairs prior to resurfacing.
5. Decorative – available in an attractive range of colours.
6. Good slip-resistance.
7. Abrasion and impact resistant
8. Non-dusting
9. Can be feather-edged

WHERE TO USE

ECF SCREED 43 is a heavy duty, epoxy resin floor screed, with high chemical resistance and strong colour definition. Sealing is necessary where impervious finishes are required. Resuscreed 43 is normally laid from 4-6mm nominal thickness.

Heavy duty industrial applications including engineering and chemical production, food production/preparation, automotive and hygiene conscious environments.

COLOURS

ECF screed 43 is available in Flint, Salsa, Forest Green, Kingfisher Blue and Buff. Other colours are available on request.

COATINGS

The following coatings can be used for sealing ECF SCREED 43:-

- ECF SEAL W.B.
(water based epoxy resin)
- ECF SEAL S.B.
(solvent based epoxy resin)
- ECF PEN W.B.
(water based polyurethane resin).
- ECF COAT H.B.
(high build epoxy resin).
- ECF. SCREED SEAL
(thixotropic epoxy coating)

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CHEMICAL RESISTANCE

excellent against distilled water, detergent solutions, alkalis and weak mineral acids. Good against strong mineral acids but will discolour. ECF Screed 43 is Moderate against solvents such as Toluene. Chemical spillages should always be wiped up as quickly as possible and not allowed to concentrate up by evaporation.

PHYSICAL PROPERTIES AT 20°C

Solids content	100 %
Pot life, including aggregate	30 mins
Tack free time	8 hours
Light trafficking	24 hours
Heavy trafficking	72 hours
Full chemical resistance	5°C-30°C
Shelf life	2 years in sealed containers

The mechanical test results are drawn from independent tests and are the averages from the three tests carried out:

Compressive Strength BS6319 PT.2 1983 - 85.00Mpa

Tensile Strength BS2782 PT.10 (Method 1003:1977) – 21Mpa

Flexural Strengths BS2782 P.T 10 (Method 1005: 1977) – 21.60 Mpa

COVING

At 100mm nominal height, one 44.5 kg. unit of ECF SCREED 43 will typically form 20 linear metres of coving, which should be applied onto a tack coat in the same way as for a floor finish. Coving can be taken to a height of 300mm.

REPARATION & APPLICATION

ECF SCREED 43 is trowel-applied onto a tack coat of ECF PRIME or ECF TACK PRIMER epoxy resin primer. An additional primer coat of ECF PRIME may be necessary for application onto very porous or badly pitted substrates. Large voids should be filled and allowed to cure before application.

ECF SCREED 43 should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down. Over-working the material will draw fines to the surface which may result in resin-rich spots and finish variations.

The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure, otherwise carbonation may occur; a white chalky deposit which whilst not detrimental to the various properties, can be unsightly.

MAINTENANCE

ECF SCREED 43 should normally be cleaned by mechanical scrubbing with mild alkali detergents. Care should be taken to ensure that the surface is well rinsed to remove residues and prevent a build-up of detergent.

HYGIENE

ECF SCREED 43 is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment. In all cases, spillages or skin contamination should be cleared as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

Consult Safety Data Sheet Ref:HSCD.

The information given in this data sheet is derived from tests and experience with the product and is believed to be reliable. This information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the company is based on the information supplied by the purchaser. ECF Ltd. cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertaking can be given against infringement of patents.