

ECF Quartz

Decorative epoxy resin floor screed

Product Data Sheet

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DESCRIPTION

ECF QUARTZ is a decorative epoxy resin floor screed incorporating multi-coloured aggregates, designed to produce a hard wearing, attractive, impervious sealed surface. The system is normally applied at 4mm minimum thickness and then sealed with clear resin.

ADVANTAGES

1. Decorative – available in an attractive range of finishes
2. Hard wearing, durable finish
3. Easy to apply and work to achieve good quality smooth surfaces
4. Low odour – safe for application in hygiene conscious areas
5. Available with gloss or matt finish
6. Abrasion and impact resistant.
7. Non-dusting

WHERE TO USE

Entrance foyers, kitchens, kennels, laboratories, departure lounges, lifts, corridors and generally where a decorative finish subject to heavy duty usage is required.

ECF QUARTZ is suitable for use in wet situations and can be cleaned using mild proprietary detergent and sterilising products, which may be used in conjunction with mechanical floor cleaning equipment. Steam cleaning should not be used. Avoid spillage of liquids above 60°C.

PACKAGING & COVERAGE RATES

Available 23 kg. packs, which cover 2.8 sq.m. at 4mm nominal thickness.

COVING

At 100mm nominal height one 23 kg. unit of ECF QUARTZ will typically form 8 linear metres of coving which should be applied onto a primed surface in the same way as for a floor finish.

COLOUR BLENDS

- Sahara (light grey/ochre)
- Pine (light grey/green)
- Carmine (light grey/red)
- Seychelle (light grey ochre/red)
- Pacific (light grey/blue)

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CHEMICAL RESISTANCE

ECF Quartz is excellent against distilled water, detergent solutions, alkalis and weak mineral acids. Good against strong mineral acids but will discolour. 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

(test at 20°C unless Specified otherwise)

Solids Content	100%
Pot life including aggregate	30 mins
Tack free time	8 hours
Light trafficking	24 hours
Heavy trafficking	72 hours
Full chemical resistant	7-10 days
Application temperature limits	5-30 °C
Shelf life	2 years in sealed container

The mechanical test results are drawn from independent tests, and are the average from three tests carried out.

Compressive strength BS2782: method 345A
- 47.5 MPa

Tensile strength BS2782: method 320C
- 10.9 MPa

Flexural strength BS2782: method 335A
- 20.5 MPa

PREPARATION

The substrate should be of sound quality, clean and dry. Poor quality substrates are not advised. All grease, oil, chemicals and laitance must be removed by shot-blasting, grinding, scarification or other means.

APPLICATION

ECF QUARTZ 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. When hard the system should be sealed with either ECF. SCREED SEAL CLEAR or ECF TOP CLEAR. This should be applied by squeegee or roller. Where a matt finish is required, a top coat of ECF WB MATT should be applied by roller.

ECF QUARTZ should be protected from temperatures of less than 10°C and moisture in the early stages of cure.

ECF QUARTZ can accept light traffic after 24 hours cure under ambient conditions, but 72 hours should be allowed before subjecting the floor to heavy traffic and ten days before full chemical resistance.

MAINTENANCE

ECF QUARTZ 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 PRIME 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.: HSSQ.

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. East Coast Flooring 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.