



ECF Seal WB

Water based epoxy resin floor coating

Product Data Sheet

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DESCRIPTION

ECF SEAL water based floor coatings are coloured, two-pack, easy to apply resin systems with excellent adhesion to concrete, wood and other surfaces providing attractive, hard wearing dust-free finishes. Floors become easier to clean with an impervious finish and are substantially more resistant to damage by fork-lift trucks, chemicals, fuels and lubricants etc.

ECF SEAL WB STANDARD can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement. ECF SEAL WB STANDARD can be applied to new (green) concrete, 7 days after being poured.

ADVANTAGES

1. Solvent free & Low odour
2. Overnight cure
3. Can be applied onto green concrete
4. Bacteria – free finish
5. Metal surfaces can be treated in conjunction with RX66 metal primer
6. Anti-slip finishes can be created with aggregate added
7. Resistance to fuels and lubricants
8. Available in a range of colours

WHERE TO USE

ECF SEAL WB (all grades) being low-odour, is ideal for use in the food industry, dairies, breweries, bakeries etc. where solvent based products are prohibited. The hardwearing properties and resistance to chemical and oil spillages make ECF SEAL WB ideal for industrial units, warehouses, automotive workshops and general industrial usage:

NOTE 1 - In order to achieve the best results from this product, it is recommended that the product be used only when temperatures in excess of 10⁰C are present with good ventilation.

NOTE 2 - Variations in temperature and humidity during the cure period can significantly affect the rate of drying and surface finish.

GRADES AVAILABLE

ECF SEAL WB STANDARD - A general purpose epoxy resin finish suitable for use in most industrial environments, which dries from a semi-gloss to a semi-matt finish depending on temperature and humidity.

ECF SEAL WB FLOOR GLOSS - A coating which dries to a uniform gloss finish for flooring use.

ECF SEAL WB CLEAR - A clear coating for sealing concrete or for use where a primer is required prior to application of all grades of ECF SEAL WB and other products, including ECF TOP, ECF COAT HB, ECF TILE and ECF DECK. A primer is required for porous surfaces, high build and anti-slip finishes.

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CHEMICAL RESISTANCE

ECF SEAL WB has excellent resistance to fuels, oils and lubricants. All grades possess good resistance to dilute acids, alkalis, detergents, salt and sugar solutions.

Chemical spillages should always be wiped up as quickly as possible and not allowed to evaporate. For further information, please consult our Technical Department.

PHYSICAL PROPERTIES AT 20°C

Pack Size

5 kg and 10 kg units

Coverage rate

6-8 square metres per kg.

Pot life

1 – 1.5 hrs

Recoat time

24 - 48 hours

Full Chemical Cure

7 days

Shelf Life

12 Months

PREPARATION

All surfaces to be coated with any grade of ECF SEAL WB should be dry, clean and free from laitance, oil, grease or other contaminants. Ideally concrete surfaces should be vacuum shotblasted or mechanically abraded to both clean and open the surface to provide a good mechanical key. The separate base and hardener components must be thoroughly mixed together before application.

APPLICATION

One or two coats of ECF SEAL WB can be applied with a roller or brush. Slip resistance can be achieved by specifying a three coat system. The first coat of ECF SEAL WB CLEAR being followed by one coat of ECF SEAL WB STANDARD, lightly scattered with anti-slip aggregates whilst still wet, at a rate of 50/100 gms per sq.m. When dry a second ECF SEAL WB STANDARD coat can be applied.

MAINTENANCE

ECF SEAL WB coatings can be cleaned with water, or with ECF INDUSTRIAL FLOOR CLEANER or other good quality detergent or just brushed out. ECF SEAL WB coated floors should not be subject to hot water above 60°C or steam cleaning.

HYGIENE

ECF SEAL WB products are formulated from materials, which are designed to achieve the highest levels of performance as safely as possible. However specific components require proper handling and suitable equipment. This information is given in the relevant safety data sheets. In all cases spillage's or skin contamination should be cleared as soon as possible by dry wiping the affected area and then thoroughly washing with soap and water. Consult Safety Data Sheets HSRs for ECF SEAL WB STANDARD and ECF SEAL WB CLEAR. Consult Safety Data Sheets Ref. HSSG for ECF SEAL WB FLOOR GLOSS.

Consult Safety Data Sheet Ref. HSCS.

The information given in this data sheet is derived from tests which are believed to be reliable. The information is offered without guarantee to enable purchasers to decide more readily by their own tests, 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.