



Enamelcoat

High Build Epoxy Resin Coating

USES

ENAMELCOAT provides a durable, hardwearing, easily cleaned, dustfree and attractive surface finish for most building surfaces. Enamelcoat is suitable for use as a coating in a wide range of industrial environments including chemical process areas, food and beverage processing plants, dairies, pharmaceutical plants, production workshops and warehousing areas.

DESCRIPTION

ENAMELCOAT is a two pack high build epoxy coating, formulated to provide excellent finish and application properties. Two coats are recommended for most applications. Enamelcoat cures to form a tough easily cleaned high gloss finish. Enamelcoat can be used as a solvent free replacement to Dustguard.



CHEMICAL RESISTANCE

ENAMELCOAT is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

COLOURS

ENAMELCOAT is available in a range of colours. Contact our Technical Services Department for details.

TEMPERATURE

ENAMELCOAT should not be applied at temperatures below 10° C and above 40° C

A combination of low temperature and high humidity can effect the application and curing of this product.

INSTRUCTIONS FOR USE

SURFACE PREPARATION - CONCRETE

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH before applying the Enamelcoat system. All substrates should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with a degreaser (please refer to Technical Services Department). Laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp.

ADVANTAGES

Chemically resistant	excellent resistance to a wide range of chemicals
Hygienic	impervious, dustfree, easily cleaned surface
Durable	good abrasion resistance
Solvent free	low odour formulation
Proven performance	long standing job references
Attractive colours	available in a wide range of colours
Easy to use	trained staff can achieve excellent application rates

PHYSICAL PROPERTIES

Specific gravity	1.5
Pot life	20-30 minutes
Cure time	8-16 hours
Time between coats	12 hours
Initial hardness	12 hours
Open to light traffic	24 hours
Full cure	7 days
(Below 20°C these times will be increased)	



BS EN 13813: 2002 / Synthetic Resin Screed Material

BS EN 13892-4:2002	Abrasion Resistance	AR 0.5
BS EN 13892-8:2002	Bond Strength	B 2.0
BS 8204:Part 1 2003	Impact Resistance	Cat. A

SURFACE PREPARATION - STEEL

When applying to steelwork the surface should be cleaned to a bright metal finish by either grinding or shotblasting to S.A. 2.5. A two-pack epoxy zinc primer should then be used prior to the application of the Enamelcoat.

SURFACE PREPARATION - WOOD

Timber surfaces should be sanded to a clean base and be free from dust, oil or grease prior to the application of Enamelcoat.

MIXING AND APPLICATION

Mix the **ENAMELCOAT** by pouring the entire contents of the hardener container into the base container and mix thoroughly for 2-3 minutes using a drill with a paint mixer attachment. Apply by paintbrush or lambswool roller to an area of wall or floor to be coated consistent with the unit size of the Enamelcoat and the coverage to be achieved.

COVERAGE & PACKSIZES

Pack size kg	Pack size ltr	Approx. Coverage Per Coat
2kg	1.5ltr	8-10m ² @ 140 microns
4kg	3ltr	16-20m ² @ 140 microns

N.B. Coverage is dependant on surface texture and porosity

PRECAUTIONS

ENAMELCOAT is a non-flammable product. Enamelcoat should not be allowed to come into contact with skin and eyes or be swallowed. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and a suitable barrier cream should therefore be used. Ensure adequate ventilation if working in enclosed areas. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed resin comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

DISPOSAL

All tools and equipment should be cleaned with Conren Solvent Cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C.

CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is backed by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

SPECIFICATION

High build epoxy coatings should be Conren Enamelcoat.

All products to be applied in accordance with Conren's written instructions.

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