

TECHNICAL DATA SHEET

Protective Coatings Epoxy Floor Coating

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Product Description

Protective Coatings epoxy floor coating is a 2-pack solvent-based epoxy coating designed for use on old and new concrete and steel substrates. The finishing is a high gloss finish with excellent adhesion onto properly prepared concrete, and good abrasion resistance. It has good resistance to alkali, solvents, water and salt

Recommended Use

Use for floor surfaces subjected to chemical and mechanical exposure. Suitable for food processing plants, waste disposal facilities, pulp & paper mills, refineries, and other industrial sectors where a general chemical resistance and protection is required.

Technical Properties

Binder : Epoxy

Solids (% by Volume) : Approximately 50%

Flash Point : Part A (Paint) - About 35° C
Part B (Hardener) – About 26° C

Pot Life : About 5 to 6 hours

Colour : Refer to Graphenstone Far East's Ecomaxx Colour Card for standard colours.

Finish : Gloss

Drying Time : Touch Dry 2 hours
Hard Dry 24 hours
Full Cure 7 Days
Recoat 8 hours

Application Methods

Applied By : Brush / Roller / Spray

Thinner : General Thinner

Clean Up : General Thinner

Packaging & Storage

Packaging : 5L Set. 4L Part A (Paint) & 1L Part B (Hardener)

Shelf Life : 12 months - Unopened

Storage : Cool, dry and well-ventilated area away from heat and direct sun light. Lid must be kept tightly closed.

Application Information

Substrate: Concrete, Steel

Recommended No. of Coats: 2 to 3

Recommended Wet Film Thickness:
100 µm / CoatRecommended Dry Film Thickness:
50 µm / CoatTheoretical Coverage: 40 m² / 5L Set
(Does not include substrate condition and loss factors)

Surface Preparation

Concrete Floor

The surface must be treated with about 5% sulphuric acid solution until effervescence has stopped. Then wash thoroughly with clean water and allow to dry completely before application of the epoxy floor coating.

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Steel Floor

For maximum performance, abrasive blasting is the most effective and economical method. However, when blast cleaning is impractical due to site and safety limitations, hand power tool cleaning to St 3 (ISO 8501-1:1988) is recommended. Care must be taken to avoid excessive burnishing of steel surfaces. Prior to painting, ensure steel surfaces is thoroughly free from any oil & grease residues and foreign matters.

Typical Recommended Painting System

Substrate: Concrete

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Ecomaxx PC Epoxy Floor Primer	1
Finish	Ecomaxx PC Epoxy Floor Coating	2

Substrate: Steel

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Ecomaxx PC Epoxy Floor Primer	1
Finish	Ecomaxx PC Epoxy Floor Coating	2

Application & Cleaning Instructions

Pour the hardener into the paint container under agitation at low speed.

Dilute with 10-30% thinner, if necessary, to improve workability.

Clean up equipment immediately after use.

Health & Safety

Ensure good ventilation during application and drying. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. During spray application, do not breathe in mist and wear suitable respiratory protective equipment. Keep out of reach of children.

Complementary Products

It is recommended to use the Graphenstone and Ecomaxx products for complementary actions, according to the required application, repair and/or finish. Please, refer to the relevant Technical Data Sheets.

Usage Warnings

None in particular for normal use and people who do not have special pathologies. Protect skin and eyes. Apply with good ventilation, do not inhale product. Keep out of reach of children.

Waste Management

Help protect the environment, do not throw waste through the drain and use the nearest recycling centre.

Responsible Gesture

Minimize the product waste by estimating the amount you will need. Recover the unused paint to give it a new use, keep it under the above stated storage conditions.

Safety Information

For information regarding safety, physical, ecological and toxicological information see the latest version of the product's Material Safety Data Sheet.

Disclaimer

The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.