

RYECOAT WD WATER DISPERSED EPOXY FLOOR SEAL



Product Description FeRFA type 1

Ryecoat is two pack medium solids content, water based epoxy floor coating available in clear and a wide range of colours. May be applied to green concrete and damp surfaces (moisture surface dry not exceeding 95% RH-NO FREE STANDING WATER). Its micro porous properties permit the passage of entrapped water vapour whilst still providing a barrier against liquids. Ryecoat can be applied in food preparation and other sensitive areas where tainting is a risk. With certain foodstuffs and confined areas it is advisable to run screening tests prior to installation.

Typical areas of use

- New Build Fast Track
- Production Halls
- Workshops
- Warehouses
- Storage Areas
- Garages
- Plant Rooms

Advantages

- Easy to Apply
- Cost effective
- Accommodates high RH conditions
- Low Odour
- Chemically Resistance
- Attractive Range of Colours
- Contamination Control (i.e. New Construction)

Suitable Substrates include

Plaster, Concrete, Granolithic, Performance Screeds, Terrazzo, Brick, Timber/ MDF.

Standard Colours

Ryecoat WD is available in the full range of Ryebrook colours except White.

Chemical Resistance

Ryecoat affords good resistance to a wide range of commonly used chemicals. An extensive listing is shown in the Chemical Resistance Data Sheet. N.B. In all cases of chemical spillage, it is essential that the spillage is immediately removed and the surface washed down with water.

Substrate Requirements

Surfaces should be dry, structurally sound and of sufficient strength (minimum 26N/mm² compressive) as well as being free from any contamination that may affect either the adhesion or penetration of Altroseal UVR. All residues of old paint coatings, installation laitance and dust must be removed. Ensure that floors and walls have an effective DPM installed and that residual moisture does not exceed 5% by weight (75% R.H). BS 8203 1996.

Preparation

To be assured of maximum adhesion and properties from Ryebrook resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

Installation Conditions

Apply in well-ventilated areas using a brush or roller (not foam). Maintain application and subsequent cure temperatures between + 15⁰C + 20⁰C. Never install on a falling thermometer below 5⁰C since freezing will destroy the material cure mechanism. (Min slab temperature +5⁰C). If lower temperatures are encountered, then the minimum of 7⁰C on a rising thermometer can be considered, but this will affect the application characteristics of the product.

COVERAGE

25m² to 35m² / 5kg. Material usage is dependent upon temperature, surface profile and porosity; stated coverage rates should be referred to for guidance only and cannot be relied upon to determine exact quantities.

Over coating Times

Minimum 18 hrs. Maximum 24 hrs. If this time period is exceeded the surface should be lightly abraded and vacuumed before further coats are applied. Ensure good airflow and ventilation to assist with cure.

Properties

Application Temperature	+ 15 ⁰ C+ 20 ⁰ C
Gel time (100g @ 200C)	80 mins
Intercoat Period	18 – 24 hrs @ 20 ⁰ C
Useful working life	45 mins @ 20 ⁰ C
Foot Traffic	24hrs @ 20 ⁰ C
Full Chemical Cure	7 days @ 20 ⁰ C
Coverage	25 to 35m ² /5kg
Average Film Thickness	90/u/coat

Typical Physical Properties

Hardness (BS. 3900)	2.0kg
Taber Abrasion (Average wear -mm/H22 wheel/1000revs).	0.04mm
Slant/Shear Bond Strength	9.7N/mm ²
Flexibility (BS. 3900)	4mm mandrel
Water Absorption (BS. 2782)	+1.3%
Resin Density (BS.6319) 1	.69g/cm ³
Indicative Fire Resistance (BS. 476)	Part 7 Class 1 Part 6 Class 0

Packaging

Available in 5 kg composite packs

Mixing Procedure

Using a slow speed drill and whisk, pour all of the hardener into the base and mix for a min of 1¹/₂ minutes (remember to always use the correct PPE). Do not leave mixed product in mixing vessel, apply to the floor as soon as possible.

Application

Ensure that the surface has been vacuumed well after preparation, and apply using a squeegee, brush or roller.

Cleaning

All tools and equipment should be regularly cleaned using Ryesolve and clean water to reduce build up and maintain the quality of the installation. Ensure that the correct PPE is worn at all times.

Storage

Ensure that the product is received in good order and store in a dry frost free environment, ideally between 15⁰C and 20⁰C for at least three days before laying. Excessively high and low storage temperatures will affect the laying performance of the product.

Disposal

Due diligence must be adopted if accidental spillages occur. Recover using absorbent granules, transferring into a suitably marked container. All empty containers and accidental spillages should then be disposed in accordance with the local waste disposal authority.

Technical Data

Compliant with BS476: Parts 6 and 7; in combination with Ryepime DS as a two coat system to Class '0', UK Building Regulations 1985: Section B2/3/4 Appendix A Part 15.

Health and Safety

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.