

Easycoat is a two-component high build epoxy floor coating for use on concrete and polymer modified cementitious screeds.

Easycoat contains less than 5% solvent to aid application. Its easy to clean, silk/gloss finish makes the product ideal for automotive workshops, laboratories, light to medium duty industrial units, warehouse and aircraft hangar floors and other areas subject to pedestrian and medium duty vehicular traffic.



Strong



Chemical-resistant



Easy to apply



FeRFA Classification

BS 8204-6 Type 3

Colours*

Available in a range of different colours. Please consult Colour Chart.

* Easycoat is not 100% colour fast and may yellow over time. The rate of change will depend on UV light and heat levels and cannot be predicted. This will be more pronounced with lighter colours and blue shades and does not compromise the product's performance or chemical resistance characteristics.

Appearance

Gloss/slightly silk finish in a wide range of colours.

Advantages

- ✓ High-build, durable finish
- ✓ Attractive silk/gloss coating in a wide range of colours
- ✓ Resistant to general chemical spillages
- ✓ Durable and non-dusting
- ✓ Easy to apply

Suitable Substrates

Concrete and polymer modified cementitious screeds.

Disclaimer: FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate, and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.

Uses

Ideal for automotive workshops, laboratories, light to medium duty industrial units, warehouse and aircraft hangar floors and other areas subject to pedestrian and medium duty vehicular traffic.

Pack Size

5, 10 and 12.5 kg units.

Components

Easycoat comprises of: one part Resin and one part Hardener.

Project References

Pedestrian Crossing for Factory Flooring in Cornwall.

VIRTUS RESINS

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virtusresins
Epoxy resin suppliers

Thickness

Approximately 300 microns from two coats.

Chemical Resistance

Good Chemical Resistance, please consult us on specific materials.

Slip Resistance

Good slip resistance.

Note: The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please contact us.

Typical Properties, 28 days at 20 °C*

BS 8204-6 Type 3

Adhesion to concrete (BS EN 1504-2) > 1.5 MPa
(concrete failure)

The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

Cure Schedule at 20 °C*

Working life of full packs	30 minutes
Over-coating time (minimum)	16 -24 hours
Light foot traffic	24 hours
Medium duty traffic	48 -72 hours
Full Cure	7 days

The material should be protected from water for 7 days.

* The above cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. Higher temperatures will shorten working time and lower temperatures will extend cure times.

Pack Size

5, 10 and 12.5 kg units

Coverage (nominal 0.5 mm thickness)*

A minimum of two coats are required. Some substrates may require additional coats depending on profile and porosity. Light or bright colours such as safety yellow or safety red may require additional coats to achieve full opacity. As a guide, a medium quality substrate may achieve 4 m² /kg per coat giving a wet film thickness of approximately 160 microns. More porous substrates will require more material.

*Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions.

To reduce the risk of “blooming” caused by condensation, the climate above the uncured floor should be maintained at least 3 °C above the dew point for at least 48 hours after application. The atmospheric relative humidity should be below 85% and good ventilation should be provided. The substrate should be surface dry with a maximum relative humidity of 75% and free from rising damp and ground water pressure.

Surface Preparation

The concrete substrate must be sound with a minimum compressive strength of 25 N/mm² and a minimum pull off strength of 1.5 N/mm². The substrate must be clean, dry (<75% RH) and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding, or light vacuum-contained shot-blasting is therefore preferred over planing for these systems. Percussive scabbling or acid etching is not recommended. Refer to the Virtus Guide to Surface Preparation for further information.

The substrate should be smooth as surface irregularities will show through the coating and excess wear will occur on high spots.

Priming

Easycoat does not normally require the use of a primer. When treating extremely weak or porous concrete it is advisable to prime with Flowprime SF.

Mixing

Pre-mix the coloured resin component before use. Add the hardener component to the coloured resin component and mix using a low speed electric mixer (200 - 500 rpm) fitted with a mixing paddle designed to minimize air entrainment for 3 minutes until homogeneous. Care should be taken to ensure that any material adhering to the sides and bottom of the mixing vessel is thoroughly mixed in otherwise uncured patches may result.

Important: Both liquids are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together and until homogenous to ensure the product cures correctly and to the desired finish.

Application

Apply by brush or medium pile roller from a paint tray or scuttle avoiding pooling of the coating. Pull back to a tight coat observing the coverage rates. A wet film thickness wheel should be used to check application thickness. Do not apply subsequent coats until the previous coat is completely dry. This will depend on temperature and degree of ventilation. Adequate ventilation and air movement is necessary. Each coat should be applied at right angles to the previous coat in order to minimize imperfections and unevenness overall. Uneven application may lead to differences in shade across the cured floor highlighted by the gloss finish. Gloss levels may vary where substrate porosity is high.

Application Conditions

Resin products should not be mixed and laid outside of the range 10 °C to 25 °C.

Anti-slip Finish

An anti-slip finish may be achieved by fully sprinkling the first coat with a suitably sized kiln dried silica sand at 2 - 4 kg/m². Allow the first coat to fully cure (24 hours at 15 °C or longer in colder temperatures) then remove all excess sand with a stiff broom and apply a second coat to encapsulate the grains. Coverage rate will depend on surface profile but will be greater than for the first coat.

Pot Life

Mixed material must be used immediately. When mixed, a chemical chain reaction takes place which creates heat and further reduces pot life. High ambient temperatures will reduce pot life.

Health and Safety

Refer to product Safety Data Sheet before use.

Storage

Materials should be kept dry and stored in a weatherproof building maintained at 15 °C to 20 °C on pallets and away from walls. Consignments should be used in order of batch number. Protect from frost.

Shelf Life

12 months if stored in accordance with the above recommendations.

Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >85% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <10°C during the application or within the curing period. The manufacture of Easycoat is a batch process and despite close manufacturing tolerances, minor variations in shade may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared. Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.

Technical Advice

For further information on this or any other Virtus product, please contact our office.




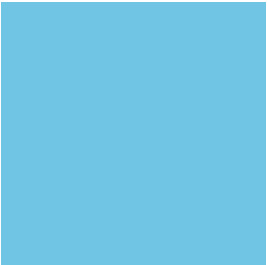









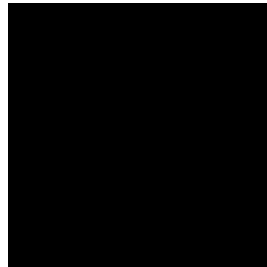

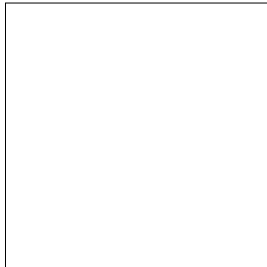
Availability

3 - 5 working days. **Country of Manufacture:** United Kingdom

You Might Also Need:

- Resin Painting Kit
- Mixing Drill Attachment
- Flowprime SF (for extremely porous concrete)
- Flowprime DPM (for damp concrete)

Note: The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control. Properties listed are for guidance purposes only. We reserve the right to make any changes according to technological progress or further developments.

Midnight Blue* 	Chelsea Blue 	Mid Blue 	Light Blue 
Green 	Buff 	Sahara 	Yellow 
Light Grey 	Mid Grey 	Dark Grey 	Tile Red 
Charcoal 	Black 	Safety Red / Yellow* 	White 

The colours shown may differ from the original product due to reprographic and technological media variations. The same colour in different products may also vary due to the composition and texture of the final finish.

Samples: If colour and final aesthetics are of concern, please contact us to request an actual hard sample of the colour and system required.

* Surcharge applies