

Our Line Marker has been specifically developed to provide hard wearing demarcation lining to internal concrete and resin floors.

The material is supplied as a two pack system, comprising pre-weighed amounts of Base and Curing Agent. After mixing together, an easily applied chemical and abrasion resistant finish is produced.



Strong

Anti-slip

Easy to clean



FeRFA Classification

BS 8204 Type 3.

Colours*

Line Marker is available in a range of 12 standard colours, other RAL and British Standard colours are available upon request. As with other epoxy products light colours exposed to UV light will be prone to cosmetic yellowing of the surface.

Appearance

Gloss finish in a range of attractive colours. Can have a textured finish with the addition of Anti-slip Aggregate.

Advantages

- ✓ Ease of application
- ✓ Hard wearing
- ✓ Hygienic and easy to clean
- ✓ Excellent chemical resistance
- ✓ Excellent adhesion to concrete
- ✓ High Build Finish

Suitable Substrates

Concrete and polymer modified cementitious screeds.

Typical Installations

- ✓ Food Preparation Areas
- ✓ Pharmaceutical Plants
- ✓ Electronics Assembly
- ✓ Warehousing
- ✓ Factories
- ✓ Workshops

Pack Size

2.5 kg unit.

Components

Each unit of Line Marker comprises of: one part Resin and one part Hardener.

VIRTUS RESINS

The Shippon, Faenol
Pentrecelyn
Ruthin LL15 2SP

Tel: 01978 790 744

Tel: 0843 289 8422

Email: info@epoxyresinsuppliers.co.uk

www.epoxyresinsuppliers.co.uk

Chemical Resistance

Excellent chemical resistance, please consult us on specific materials.

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, 7 days at 23 °C*

BS 8204-6 Strength N/mm ² (Concrete Failure)	Type 3 Bond > 1.50
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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* 20 minutes

* Usable working life of material following mixing and immediate spreading as per the application instructions.

Finished floor*

Over coating time	16 - 36 hours
Cure time to pedestrian traffic	24 hours
Full chemical resistance	7 days

The floor should be protected from contact with water for at least 7 days.

* These cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. If the over coating interval of 36 hours is extended, the first coat should be abraded to ensure inter-coat adhesion.

Pack Size

2.5 kg unit.

Coverage*

A 2.5 kg pack is sufficient to coat approximately 10 m² of floor area per coat. Coverage is dependant on surface profile, texture, porosity and substrate temperature.

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

Application Conditions

Line Marker t is a relatively viscous coating. Do not apply outside of the range 10 °C to 25 °C. 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.

Surface Preparation

Concrete

Concrete substrates must be a minimum of 28 days old, dry, clean and free of surface laitance and contaminants such as dirt, oil, grease, poorly bonded coatings and surface treatments. 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.

Concrete must include a functional damp-proof membrane.

Priming

Line Marker does not normally require a primer on dry substrates. When treating extremely porous or damp concrete, prime as follows:

Substrate relative humidity <75%: Flowprime SF (Weak or porous)
Substrate relative humidity >75%: Flowprime DPM ('green' concrete)

Application

Line Marker should be applied onto an existing epoxy resin coating within 36 to 48 hours of the finished coat, if this period is exceeded mechanical abrasion of the coating should be carried out. Apply by brush, short piled roller at a nominal rate of 0.25 kg/m². After a minimum of 12 hours and before a maximum of 36 hours, apply a second coat at the same rate.

Should a non-slip finish be required, then broadcast an appropriate aggregate immediately after the first coat. Brush off excess aggregate once the material has cured, prior to applying the second coat.

The ambient temperature of the works area should be a minimum of 15°C. Localised heating or cooling equipment may be required outside this range during the application and curing period, if not adhered to this can affect the colour and appearance of the system. Materials and substrate temperature must be above 10°C.

Mixing

Materials should be stored at 15 °C to 25 °C for a minimum of 8 hours prior to use. 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) for at least 3 minutes until homogeneous. Use a spatula to scrape the sides and bottom of the mixing vessel several times as unmixed material will result in uncured patches in the final finish.

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.

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.

Cleaning

Tools and equipment should be cleaned whilst the resin is still wet with a suitable solvent. Line Marker can be easily cleaned using industry standard cleaning chemicals and techniques designed for epoxy resin flooring. Test cleaning agents prior to use. Do not steam clean or subject to temperatures in excess of 60 °C.

Health and Safety

Refer to product Safety Data Sheet before use.

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Precautions

Remove food products from the area during application and curing. As will all high gloss paint finishes, scratching of the surface may occur with use due to surface contamination and abrasion. In common with all smooth floor finishes, Line Marker may become slippery under certain conditions. In areas of chemical spillage, please consult our Technical Department for specific advice.

EU Directive 2004/42/EC

Complies with category j type SB (< 500 g/l).

Shelf Life

12 months if stored in accordance with the above recommendations.

Limitations

- Safety Red and Safety Yellow colours may need a two coat application to achieve full opacity dependant on site conditions.
- Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- Protect the installed floor from damp, condensation and water for at least twenty-four hours at 20°C.
- Ensure that the ambient temperature remains above 10 degrees C for at least twenty-four hours after installation.
- Line Marker is NOT UV stable. Yellowing will occur under UV exposure.
- The substrate and uncured floor must be kept at at least 3°C degrees above the dew point to reduce the risk of condensation or blooming on the surface.

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

Technical Advice

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

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.

Availability

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

Virtus Resins, The Shippon, Pentre-Celyn, Ruthin LL15 2SP, England			
CE		13	DOP RV0026
EN 13813 SR-B2,0-AR0,5-IR9 Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire	NPD	Impact resistance	IR9
Release of corrosive substances	SR	Sound insulation	NPD
Water permeability	NPD	Sound absorption	NPD
Wear resistance	AR0,5	Thermal resistance	NPD
Bond strength	B2,0	Chemical resistance	NPD



Most products are available in a range of standard colours with some non-standard or custom RAL colours available upon request (subject to surcharge and production availability). Unit prices quoted are as per the standard colour ranges in current colour charts and product data with the exception of Safety Red, Safety Yellow and Midnight Blue whereupon a **10% surcharge** will apply. The colours shown may differ from the original product due to reprographics 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.

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