



TERO FIRMA

High Build Epoxy Floor Coating with Enhanced Slip Resistance



Typical Areas of Application:

- Industrial areas and warehouses
- Car park decking
- Commercial spaces
- Food processing areas
- Workshops
- Manufacturing locations

What is Tero Firma?

Tero Firma takes the amazing properties of our Epox-Eze, and blends in a high-level aggregate to provide a high build epoxy resin floor coating with excellent slip resistance. This product is developed with the worker in mind, while also providing protective and decorative properties to concrete and other substrates. This product is an easily applied, chemical and abrasion resistant coating, leaving your floor with a beautiful and smooth gloss finish.

Tero Firma is a two-part epoxy resin, which easy to mix and easy to apply, meaning minimal effort gets you a heavy-duty floor coating that will last you many years.

Tero Firma is stocked in 12 amazing base colours. If you require another colour, please inquire to your sales rep with a RAL Classic number. Please note that colours outside the base list may cost extra and/or carry a small MOQ.

Benefits and Features:

- Easy to mix and apply
- High build
- Two-part kit (also includes light dusting aggregate)
- Solvent free
- Strong and durable, good abrasion resistance
- Good general chemical resistance
- Offers long term concrete protection
- Hygienic, easy to clean
- Excellent adhesion to concrete
- High level slip resistance

Curing Schedule @ 20°C:

Pot Life	20 mins
Light Traffic	12 hours
Full Traffic	48 hours
Full Cure	7 days

PLEASE NOTE: At lower temperatures the above cure times will be increased

Technical Data after 28 days @ 20°C:

Compressive Strength	n/a
Shore D Hardness	82
Bond Strength	>3 N/mm ² (Concrete Failure)
Abrasion Resistance	AR 0.5
Slip Resistance Pendulum Test to BS7976-2	Dry > 60
VOC	<152 g/L Based on a fully mixed unit
Chemical Resistance	Excellent general chemical resistance

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The **IM Group** utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact us for our most current product specifications. IM Group warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement.

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Surface Preparation:

To be assured of maximum adhesion and best properties the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old, and the residual moisture content must be a maximum of 75% RH. The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm².

The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings, and surface treatments and contain a functioning damp proof membrane. If in doubt, apply a test area first.

If surface contains any coatings or surface treatments, concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment, followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired. Ask your sales rep about suitable products for concrete repair and cleaning.

Priming:

Priming is generally not required with this product. However, for weak or porous substrates priming should be considered. If this is to be used in an area like this, please ask your sales rep for a recommended primer.

Mixing:

This product is supplied ready for use. No additions should be made. Pour all of the contents of the part B container into the part A container and thoroughly mix using a slow speed mixing drill and paddle, avoiding air entrainment. Mix for a minimum of 5 minutes until the material forms a uniform colour and consistency. Scrape down the sides after 2 minutes to ensure that all materials are fully incorporated.

Application:

Apply by brush or roller, spreading evenly at a nominal rate of 0.25Kg/m². After a minimum of 16 hours and before a maximum 48 hours, apply a second coat. The first coat must not be contaminated prior to applying the second coat.

Materials and substrate should be above 10°C, as to maximise curing performance, colour and adhesion to the substrate.

Advice for Application:

- Protect the installed floor from damp, condensation and water for at least 48 hours.
- All epoxy resin-based products are adversely affected by exposure to UV light and will be prone to cosmetic yellowing of the surface. Therefore, this product should only be used indoors. This does not affect its performance or function.

- If the works area requires heating, before and during application and until full cure of the material, do not use paraffin, oil, gas or fossil fuel heaters as they produce water vapour and carbon dioxide which adversely affects the floor finish. Use only electric powered or indirect warm air systems.
- Under no circumstances must the mixed material be left in an enclosed container as this will result in a build-up of heat and the possible release of vapours.

Coverage Rate:

Approximately 18m² per 5kg kit on a sealed surface. Coverage is dependent on surface profile, texture, porosity and substrate temperature.

Please note that this product is recommended to be applied in two coats.

Storage:

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. Tero Firma has a maximum of 12 months shelf life when stored in the original, unopened containers.

Cleaning Equipment:

All equipment used should be cleaned immediately after with xylene.

Health & Safety:

Always read and understand the label, and Safety Data Sheet provided, before using this product. Always wear recommended PPE when using this product. The SDS and this Technical Data Sheet is also available on our website, www.img-limited.co.uk.

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