

Performance you can trust

SAFE STEP® Non-Metal Primer/Sealer

Part Code: 43284
Pack Size: 0.75 Litre

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Description

SAFE STEP® Non-Metal Primer/Sealer is a solvent free, low viscosity epoxy primer & sealer.



Key Features

- Solvent Free/Low odour.
- Quick to harden.
- Low viscosity aids penetration.
- Excellent adhesion to dry or damp surfaces.
- Extremely low permeability.

Uses

As a Primer

SAFE STEP® Non-Metal Primer/Sealer should be applied onto a suitably prepared surface prior to the application of the SAFE STEP® range of floor finishes to promote effective adhesion between the substrate surface and the floor finish. The product is only suitable for use on dry or damp substrates and is not suitable for use on wet or any surface where standing water is visible.

As a Sealer

SAFE STEP® Non-Metal Primer/Sealer can be applied onto a suitably prepared concrete surface to prevent dusting and improve the durability, chemical resistance and cleanability. Additionally y it can be applied over SAFE STEP® antislip coatings to improve cleanability.

Technical Data (Typical)

Appearance:	Amber liquid with both low odour and viscosity
Chemical Type:	2 component solvent free epoxy
Density (Mixed) - BS3900A19	1.09g/cm ³
Usable Life after mixing:	30-45 minutes @ 25°C
Mixed Viscosity:	0.5 pa.s @ 25°C
Shelf Life:	2 years
Flash Point (Mixed):	>100°C (>212°F)

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BS EN ISO 9001
Certificate No. FM 12448



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Technical Data

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EU limited value for this product (Cat A/ j) :550g/l (2007) / 500g/l (2010)	This product contains 0 g/l VOC
Over-coating Times:	Minimum 4 hours Maximum 24 hours
Theoretical Coverage Per Pack per coat: This figure makes no allowance for substrate profile, porosity, uneven application or losses in containers or rollers/brushes.	
Soft Roller/Brush:	4-6 sq.m per litre
Dry Film Thickness:	125-200 microns
Adhesive Strength to Concrete (ASTM D7234):	2.7Mpa (concrete failure)
Application Temperature:	10-25°C
Curing Times: the figures are given as a guide only. Factors such as Temperature, air movement and humidity must also be considered	Touch Dry 4-6 hours @ 20°C Hard Dry 16-24 hours @ 20°C Full Cure 7 days @ 20°C

Surface Preparation

To ensure optimum adhesion of the floor coating it is vital that the correct quality and quantity of preparation is carried out initially.

NEW CONCRETE:

Concrete should be at least 28 days old. Applying a coating onto concrete less than 28 days old could cause failure of the product.

After proper curing, new floors must be swept clean and all contaminants which might interfere with the adhesion of the coating system including laitance, curing membranes, surface hardeners, greases and oils should be removed. An appropriate profile must be created using chemical or mechanical means.

The preferred method to prepare floor surfaces and to remove laitance, curing membranes and surface hardeners is by mechanical removal of the same with a portable shot blast cleaning machine.

Chemical cleaning of laitance and unbonded particles can be accomplished by etching the surface with an acid etch solution. Follow manufacturer's application and safety instructions.

After the acid has finished reacting with the concrete the residue should be removed by a liberal fresh water rinse or preferably by power washing. Allow the surface to completely dry.

NOTE: Acid etching will not remove oil, grease or wax. If the acid does not bubble or foam when spread on the concrete, the surface should be examined for films of oil, grease, wax, curing membranes, hardeners or other sealers. If such film is present, it must be removed.

AGED AND UNCOATED CONCRETE FLOORS

Proceed as for new concrete with particular emphasis on examination for grease, oil and chemical contamination and subsequent adequate cleaning.

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PREVIOUSLY PAINTED SURFACES

The performance of American Safety Technologies' anti-slip coatings applied over previously painted surfaces is directly influenced by the type, age and condition of the old coating. Hard or glossy paints should be dulled by sanding, abrasive blasting or other abrasive methods to assure maximum adhesion.

A test patch should be applied to check for lifting or wrinkling of the old coating. If wrinkling or lifting occurs after overnight drying, remove the old coating.

WOOD

A clean sound surface is required. Remove any dirt or oils from the surfaces with a commercial cleaner/degreaser and allow the surface to dry. Follow with sanding to remove loose or deteriorated surface and to obtain the proper surface profile.

For more detailed surface preparation on concrete or other surfaces contact the **ROCOL®** Site Safety Systems Technical Department

Mixing

1. Pour all the contents of the hardener component into the base component. Larger packs should be accurately proportioned if required.
2. Mix thoroughly with a mechanical mixer for 2 minutes. Ensure all material is scraped from sides of the container and continue mixing for a further 2 minutes. Avoid air entrapment.
3. Product should be used immediately after mixing.
4. Failure to mix components correctly will result in incorrect curing and/or failure of the coating

Application

Apply by brush or roller (mohair or lambs wool) working the resin into the surface well and avoiding any pooling.

If the surface is very porous, two coats of primer will be required. This second coat can be applied between 3 and 24 hours after the first coat.

Tool Cleaning

Immediately after use, all tools and equipment should be cleaned with xylene prior to curing of the coating.

Shelf Life & Storage

Do not expose to freezing conditions. Store in original containers in dry conditions a temperatures between 10°C and 25°C.

Health & Safety

Refer to Safety Data Sheet before use.

Safety Data Sheets – Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL® contact.

Disclaimer: The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which may affect the use and performance of our products, for this reason it is given without responsibility.

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