

# Technical Data

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## SAFE STEP® 50

Part Code: Grey-43070, Tile Red-43071  
Pack Size: 5 Litres

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### Description

SAFE STEP® 50 is a single pack, general purpose anti-slip floor coating recommended for large areas where a low profile anti-slip surface is required. SAFE STEP® 50 is easy to apply and is suitable for use on metal, concrete and timber surfaces. Ideal applications include factory floors, garages and storage areas.

SAFE STEP® 50 can be applied to any clean, dry surface and can be applied by brush or soft roller.



### Technical Data (Typical)

Colour:	Tile Red, Grey
Chemical Type:	Single pack chlorinated rubber/alkyd resin
Density (Kg/L): BS3900A19	1.46
Pot Life:	Indefinite
Average Drying Times: the figures are given as a guide only. Factors such as air movement and humidity must also be considered  Light Traffic: Heavy Traffic: Full Chemical Resistance:	6 hours @ 21 °C 16 hours @ 21 °C 7 days
Theoretical Coverage Per Pack per coat: This figure makes no allowance for substrate profile, uneven application or losses in containers or rollers/brushes.  Soft Roller: Brush:	20 m <sup>2</sup> 20 m <sup>2</sup>
Shelf Life:	2 years
Flash Point:	28 °C
Application Temperature:	10-30 °C
Storage Conditions:	10-30 °C
EU limited value for this product (CAT A/i):600g/l (2007) / 500g/l (2010)	This product contains max. 465 g/l VOC

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Volume Solids: (ASTM-D2697)	62%	
Pendulum slip Resistance using TRRL rubber (BS7976)		Slip potential classification
Dry Pendulum Test Values (PTV)	94	(Low slip potential)*
Wet Pendulum Test Values (PTV)	80	(Low slip potential)*

\*Potential to slip as interpreted in the guideline from UKSRG, 2011 recommended by the HSE

Slip potential classification, based on pendulum test values (PTV)	PTV
High slip potential	0-24
Moderate slip potential	25-35
Low slip potential	36 +

## Surface Preparation

Apply SAFE STEP® 50 to clean, dry surfaces only. Remove all paint, rust and mill scale, preferably by grit-blasting. Remove oil, dirt, wax by dissolving in a water washable cleaner/degreaser.

All surfaces must be completely dry before application. Porous surfaces such as concrete and wood should be primed using SAFE STEP® Non-Metal Primer to seal the surface. Metal surfaces should be primed with SAFE STEP® Metal Primer. New concrete should be allowed to cure for a minimum of 28 days before coating.

## Application

- SAFE STEP® 50 is a single component, chlorinated rubber/alkyd resin based coating.
- Thoroughly mix contents preferably with a mechanical mixer such as a pneumatic drill motor with a jiffy mixing blade until mixed material assumes a uniform colour and appearance.
- SAFE STEP® 50 can be applied at surface temperatures between 10°C and 30°C. Application is not recommended when surface temperature is above 30°C or below 10°C. At temperatures below 10°C curing time will increase substantially.
- SAFE STEP® 50 can be applied by soft roller or brush.

## Application Techniques

For a tidy edge mask off the area to be coated with masking tape. Remove masking tape whilst SAFE STEP® 50 is still wet by pulling away from the area.

### Roller Application

Roller application provides a low profile anti-slip finish and is the recommended method for large areas.

- Use a soft roller for applying SAFE STEP® 50.
- Pour a pool of the mixed product onto the prepared substrate or use a paint tray.
- Roll material evenly over floor surface, ensuring complete coverage. Do not over-roll.

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### Brush Application

Brush application provides a low profile anti-slip finish and is the recommended method for steps or small floor areas.

1. Use a good quality, natural bristle paint brush. A 3-4" brush is ideal although smaller brushes may be used for difficult or small areas.
2. SAFE STEP® 50 can be used directly from the tin. Do not over brush.

Brushes and all equipment should be cleaned immediately after use with white spirit or turpentine substitute.

### Surface Maintenance

It is essential that the SAFE STEP® 50 coating is cleaned regularly to maximise anti-slip performance. The use of a water-based biodegradable detergent cleaner and a long handled fibre bristled brush or floor cleaning machine is recommended. After cleaning the surface should be rinsed thoroughly with clean water and allowed to dry.

### Limitations

Higher temperatures will shorten drying time and conversely, lower temperatures and high relative humidity will lengthen drying time. Exterior applications must be protected from rain for at least 12 - 24 hours after application according to humidity. Protect from heavy rain or extended exposure to water, oil and chemicals for 5 to 7 days. Although extremely durable, SAFE STEP® 50 is not a permanent coating and will require occasional touching up, especially in heavily trafficked areas.

### Health & Safety

Refer to Safety Data Sheet before use. If further copies are required or for further information, please contact ROCOL® at the address below:

**Safety Data Sheets** – Safety data sheets are available for download from our website [www.rocol.com](http://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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