SAFE STEP™ 100

HEAVY PEDESTRIAN GRADE ANTI-SLIP COATING

DESCRIPTION

EPIREZ® Safe Step® 100 is a single pack, epoxy ester anti-slip surface coating for heavy pedestrian traffic. This durable safety coating is both easy and fast to apply and offers optimum adhesion to metal, concrete and wood surfaces.

EPIREZ® Safe Step® 100 is both chemical resistant and fire retardant in the cured state. It resists gasoline, oil, acids, alkalis and aliphatic solvents.

EPIREZ® Safe Step™ 100 has been tested by the CSIRO and has an anti-slip rating of Up to **R13** as per AS 4586:2013 Appendix D. A copy of the test report is available upon request.

INTENDED USE

- Pedestrian ramps in factories, shopping centres and other busy areas
- Wet areas such as pool surrounds and behind hotel bars
- Stairways and catwalks
- Nursing homes and schools
- Change rooms
- Equipment platforms
- Bakeries and food processing plants.

PRODUCT FEATURES

- Suitable for concrete, asphalt, timber and all metal surfaces
- Single pack mixture
- Excellent anti-slip properties
- Available in 4 colours
- Long lasting both indoors and outdoors
- Easily applied by trowel or roller
- Touch up by brush

ESTIMATING DATA

4 Ltr Safe Step® 100 = 4.8 m2 (Roller or Trowel)

TYPICAL PHYSICAL PROPERTIES

Technical data should be considered representative or typical only and should not be used for specification purposes.

Coating Type	Epoxy ester, single pack
Cure Times	
Light Traffic	12 hours @ 20˚C
Heavy Traffic	72 hours @ 20˚C
Full Chemical Resistance	7 days @ 25°C
Flash Point	42˚C
VOC Content	340g per L
Volume Solids	61%
Application Temperature Range	10˚C to 40˚C

SURFACE PREPARATION

Remove oil, grease, dirt, wax, etc. by dissolving in an emulsifiable water base cleaner/degreaser. Clean off with fresh water then apply an acidic etch such as **EPIREZ® Concrete Etch & Cleaner** (5 L E993231). Again, rinse with fresh water and allow to dry completely before application.

Smooth or glazed surfaces should be roughened and porous surfaces should be primed with a suitable sealer such as **EPIREZ® Crack Repair Epoxy Sealer** (1.5 L E901233) prior to application to provide better surface adhesion. New concrete should be cured for 28 days.

Metal and Galvanised Surfaces

Remove all paint, rust and mill scale preferably by grit blasting and prime with a suitable etch primer such as **GALMET® Keytite Etch Primer** (1 L GKEG1L).

Timber

Timber should be primed with **EPIREZ® Crack Repair Epoxy Sealer** (1.5 Ltr E901233) or another suitable wood primer.

MIXING INSTRUCTIONS

As a one-part epoxy system, Safe Step 100 combines the resin, grit and colour as a single part system that requires no Part A and B mixing before application.

Simply stir thoroughly before use and apply direct from the can.

APPLICATION INSTRUCTIONS

EPIREZ® Safe Step® 100 can be applied at surface temperatures between 10°C and 40°C. Application is not recommended when surface temperatures are above 40°C or below 10°C. Curing times will increase substantially at temperatures below 10°C.

EPIREZ® Safe Step® 100 can be applied by roller or a trowel.

Roller

Roller applications provide the most effective non-slip characteristics with an irregular, ridged profile.

Use a hard-faced roller. It is important that the rolled profile expose the maximum amount of non-slip aggregate. If aggregate is not properly exposed, the coating may become slippery when wet. Pour a “ribbon” of EPIREZ® Safe Step® 100 on the surface approximately 600mm across and 150mm wide. Roll in slow straight strokes with a moderate amount of pressure. Do not over-roll too many times or press down too heavily. Be careful that material does not build up too quickly along welds or joints (roll across, not along them). Material applied too thickly may not cure properly.

Trowel

Trowel applications provide excellent non-slip characteristics with a rough, textured surface.

Use a flexible bladed plasterer’s finishing trowel approximately 100mm by 300mm. Use smooth edges, not notched.

Pour a “ribbon” of **EPIREZ® Safe Step® 100** on the surface approximately 600mm long and 150mm wide. Hold trowel at 45° angle to surface and spread with a sweeping motion. Reverse the angle of the trowel for the opposite stroke. Pull material towards one. To cover corners, etc. pull using straight strokes using the material on the trowel.

General

Higher temperatures will shorten drying times and conversely, lower temperatures and high humidity will lengthen drying time. Exterior applications must be protected from rain for at least 12 to 24 hours after application according to humidity. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

Maintenance

Maintain a clean surface to ensure that the non-slip safety performance of EPIREZ® Safe Step® 100 is maximised.

The following cleaning procedure is recommended:-

Clean with a neutral detergent cleaner mixed as directed with water. For stubborn oil and grease use a suitable surface degreaser. Scrub surface with a long handled, fibre-bristle brush or floor machine. Rinse with clean water and dry.

Foreign matter such as chewing gum should be removed with a scraper or putty knife and then the surface should be cleaned following the above procedure.

Although extremely durable, **EPIREZ® Safe Step®** 100 is not a permanent coating and will require an occasional touch up, especially in heavy traffic areas.

CLEAN UP

Tools and equipment may be cleaned before hardening commences by washing in **EPIREZ® Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

STORAGE

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is two years.

WARRANTY

Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.

ORDER INFORMATION

Item No.	**Package Size**
E460004	4Ltr Light Grey
E460005	4Ltr Dark Grey
E460006	4Ltr Safety Yellow
E460007	4Ltr Green GN1

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For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website.