



Global Safe Technologies (Australia) Pty Ltd



Tailored Floor Safety Risk Management, not just Non Slip Floors!
Home Safe, Work Safe, GLOBAL SAFE©

What is SupaPoxy© Product Data Sheet

SUPAPOXY© is a high quality, top of the range, very hard wearing, strongly chemical resistant, solvent less (100 solids No VoC's), **environmentally friendly** epoxy anti-slip protective coating providing a tough hard wearing and long lasting non slip surface. SupaPoxy© aesthetically pleasing and also easily cleaned. The product is also fast curing (3 to 4 hours for each layer at 20 Celsius)

SupaPoxy© has high chemical and stain resistance, and is suitable for foot and vehicular traffic including forklifts.

Anti-slip media for floor coating is incorporated in to the product to provide a sustainable slip resistance rating up to the highest classification.

Advantages

- SupaPoxy© is self-priming. No need for additional primers.
- Solids content: 100%.
- No Voc's. Meets the Greenstar environmental building criteria.
- Can be applied to slightly damp concrete.
- Non taint application.
- Range of colours either in colour pack or factory tinted for large quantities.
- Suitable for food preparation areas.
- Heavy Duty.
- Suitable for foot and vehicular traffic including forklifts.
- Gives an aesthetically pleasing finish.
- Has high chemical resistance.
- Anti-slip grit added to achieve any required anti-slip rating.
- Meets IEQ 13 GBCA.

Uses

SUPAPOXY© is suitable as non slip protective* coating for:

- Industrial, commercial, residential and domestic floors and walls.
- Heavy duty industrial traffic.
- Car Parks.
- Hospitals.
- Schools.
- Plant Rooms.
- Food, meat (abattoirs) and beverage production or processing areas.
- Warehousing facilities.
- Garbage and refuse areas.
- Waste water treatments.
- Commercial kitchens.
- Chemical production areas.
- Factory floors.
- Motor Vehicle workshops.
- Wash and change rooms.
- Mining operations and facilities.
- Correctional facilities.
- Port and marine facilities.

Suitable Surfaces

SupaPoxy© is mainly used on concrete surfaces, but it is also suitable for steel, timber, wood, CFC sheeting, vinyl, previously coated as well as several other surfaces.



Toll Free (AUS) 1300 668 620 Phone: +612 9609 4685 E-mail: info@globalsafe.com.au

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26 Hassall street, Smithfield NSW 2164

Also available in in North America, Asia and Europe





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Additional Uses

SupaPoxy© can be used for high traffic, chemically demanding, anti-staining areas.

Specification

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the company in writing.

Application Limitations

Avoid applying when relative humidity is greater than 80% and temperature is below 12°C.

The product should only be used by a person suitably experienced and skilled in applying epoxy (2 part) products.

Product mixed off ratio may result in the non-curing or improper curing of the product and will certainly diminish or negate the performance of the product.

Texture and Profile of the Product

The finish, profile and appearance of the product may vary dependent upon the size, porosity, strength and type of aggregate and the finish of the concrete or other substrate. On sound surface the range of variation can be controlled and/or limited to closely resemble the referenced CSP standard. As the depth of removal increases, the profile of the substrate will be increasingly dominated by coarse aggregate.

Drying and Curing

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Pot Life @ 25°C:	30 minutes
Tack Free Time @ 25°C:	4 hours
Re-Coat Time:	6 to 24 hours
Trafficable Cure Time @ 25 °C:	5 to 8 hours
Full Cure Time @ 25°C:	7 days

Self Life

(Unmixed in original unopened containers): 2 years

Storage

Store in cool, dry conditions away from corrosive chemicals.

Clean Up

Spills should be avoided as they are difficult to clean particularly off porous surfaces. Wet spills may be cleaned using a cloth and solvent, Aceton.

Tiling, Topping or Top Coating

Not Applicable.



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Safety Precautions

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

Colours

SupaPoxy Colour packs are available in the following standard colours:

White, Black, Light Grey, Koala Grey, Deep Grey, Red Oxide, harbour Blue and Sand.

Special colours maybe available, but minimum quantity applies. Please contact us for any special colour requirement.



Disclaimer: The colour samples shown here are as near to the actual colours as possible. Actual colours may vary from representation on screen and from batch to batch. Prospective users and specifiers MUST satisfy themselves as to the suitability of coating and colour prior to application.



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Test Results and Other Technical Data

Slip Resistance

Anti-slip Rating As an indication of the products excellent slip resistance and wearing properties, the slip resistance rating of SupaPoxy© has been independently tested according to AS/NZ4586:2004 Appendix A (Wet Pendulum Test) and achieved a mean BPN of 68, Class V (Class P5 as per AS 4585:2013 Table 2). Note: The manner in which the product is applied will effect its anti-slip rating and may produce a lower result. An accelerated wear test of 5000 cycles equating to approximately 2 years plus. The mean worn product's slip rating has increased by 4 BPN, to a 72.

*/**Product Limitations

Areas of a build up of excessively fatty or greasy substances and grime will diminish or negate the product's effectiveness and before application a trial is always recommended for in these areas. To maintain the anti-slip properties, it is essential that the product be keep free and clean of dirt build-up and chemicals spills must be immediately cleaned. May not be suitable in areas subject to extensive access to corrosive chemicals. This product while provides protection of the substrate should not be considered as a replacement for water proofing materials.

23 May 2013

Test Report No. R5028a Accelerated Wear Slip Resistance Test

Test methodology equivalent to AS/NZS 4586:2004 Appendix A (Wet Pendulum Test) (modified)

This conditioning method is useful to assess the propensity of a tile to drop in slip resistance, not to accurately predict the long term sustainable slip resistance which is affected by processes including but not limited to: installation, surface treatment, maintenance, wear and contamination. Regular monitoring is recommended to assess changes in slip resistance. This Test Report be read in conjunction with the paper presented at Qualific '08, world congress on quality ceramic tiling titled "Sustainable Slip Resistance: An opportunity for innovation" available from Slip Check Pty Ltd. The test results are intended to be used as an informative guide to the selection of surfaces within a quality management system.

Requested by: Global Safe Technologies (Aust) Pty Ltd
Product Manufacturer: Global Safe Technologies (Aust)
Product Description: SupaPoxy V

Specimens conditioned using a Gardco D12VFI washability and wear-testing machine

Mass of friction boat: 1000g Area: 100mm x 100mm
Cycle Rate: 50 cycles per min Path length: 300mm
Abrasive pad: 3M Scotchbrite Heavy Duty Scour Pad No. 86 (water wet)

Pendulum Testing conducted under same conditions and equipment as page 1 of this report

Wear Cycles	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Mean	Class
0	69	70	79	68	66	68	V
100	66	69	70	69	69	69	V
500	68	69	71	71	69	70	V
1000	70	71	70	70	69	70	V
5000	71	74	73	70	73	72	V





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Chemical Resistance

The table below is given as a guide only and tests should be carried prior to use for a given application and requirement. The chemical resistance is based on spillages and not long term contact. SupaPoxy© is resistant to wide range of chemicals but specific data should be sought from the Company.

- Ammonia
- Sulphuric Acid 30%
- Acetic Acid 5%
- Sodium Hydroxide 30%
- Volatile hydrocarbon solvent
- Diesel Oil
- Hydrochloric Acid 20%
- Vegetable Oils
- Kerosene
- Petrol
- Sodium Chloride

Staining may result from contact with some aggressive chemicals.

UV Stability

The product is UV stable but may yellow dependent upon colour.

Adhesion

Product was tested on glossy porcelain ceramic tile substrate which was micro etch prepared

Requested by:	Global Safe Technologies (Aust) Pty Ltd
Product Manufacturer:	Global Safe Technologies (Aust)
Product Description:	SupaPoxy V
Test Substrate:	Polished Porcelain Ceramic Tile
Dry Film Thickness:	Unknown
Test conducted according to:	AS 3894.9-2003
Location:	Slip Check Pty Ltd Test Facilities, Seven Hills NSW
Conducted by:	Ryan Voorderhake
Pull-Off Apparatus:	Proceq Dyna Z6 Pull-off Tester (SN 1-1950)
Force Gauge:	Digital Manometer (SN 23085)
Type of Dolly:	Aluminium, 50 mm diameter
Date of test:	03 June 2013
Temperature:	16°C

Method used to apply dolly to substrate:
Dolly surface abraded with P400 abrasive paper and cleaned with acetone, then adhered to coating with scellys araldite

Deviations from standard method:
None

Results:

	Sample 1	Sample 2	Sample 3
Force of Failure Achieved in MPa:	3.54	3.30	2.79
Type of Failure observed:	Adhesive Failure to Substrate	Adhesive Failure to Substrate	Substrate Fracture

Martin Daniel
Materials Scientist

Safe Environments Pty Ltd
RS101 - Pull Off Adhesion, SupaPoxy V
04 June 2013

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