



Sureshield[®] is a 6-9mm heavy duty industrial grade floor topping system specifically designed for the Australian and New Zealand manufacturing industry. Specially blended resin and graded silica-quartz aggregates produce a flooring system that is durable and resistant to impact, abrasion, thermal shock and harsh chemicals. It is non-porous, hygienic and is easily cleaned. Sureshield fully bonds to the substrate therefore becomes part of the building structure.

FEATURES

- A heavy duty 6-9mm thick resin blended graded silica-quartz aggregate floor topping.
- Applied by specialist flooring contractors.
- Available in a number of coloured applications.
- Quick dry and set rates for minimal business disruption.
- Zero Odour Options.

BENEFITS

- Proven performance for over 30 years in the food industry. Approved for use in food manufacturing plants by regulatory authorities.
- Contains Sterishield[®]. Hygienic – impermeable and non-porous with a good working surface finish. It is easily washed and cleaned. Resists bacteria or fungal growth.
- Slip resistant – varying degrees of surface texture available from smooth to coarse slip resistant finish. Finishes comply with NZ/AS3661.1:1993
- Co-efficient of friction when wet: Steel float finish (smooth) 0.46, Glass float finish 0.58, Coarse slip resistant finish 0.79. Test data available.
- Ease of repair – damaged areas are cut out and re-trowelled back to grade level with new materials quickly and without disruption.
- Rapid installation, efficient set and drying times mean Sureshield floors can be in service within hours of completion.
- Resistant to cracking and crazing and joint free apart from necessary control or relief joints in the substrate.
- High thermal shock resistance – in applications where rapid and large temperature change is expected.
- High abrasion resistance – three to six times more abrasion resistance than basalt concrete.





TYPICAL AREAS OF USE

Industrial food manufacturing, dry and wet process areas:

Meatworks – Abattoirs – Dairies – Poultry – Bakeries – Fish Processing Plants – Freezers – Cool stores

Drink / Liquid Manufacturing Facilities:

Breweries – Wineries – Juice Manufacturing – Distilleries

Commercial Kitchens:

Fast Food Outlets – Butchery Floors – Hotels – Restaurants – Bars

Heavy Industrial Manufacturing Areas:

Printing – Laundries – Chemical Bund Lining – Chemical Process Area

Supermarkets:

Retail Floor Areas – Deli Prep – Butcheries – Bakeries – Fish Process

Others:

Ablution Blocks – Changing Facilities

Interior & Exterior Applications

Applications to new or existing concrete, timber and fibre cement substrate. Horizontal & Vertical applications for truly seamless flooring. Will form Ramps and Falls. Compliant with E3 internal water 3.1.1e (use full fibreglass laminate floor & joint system in these situations).

SURESHIELD FLOOR COATING PERFORMANCE GUIDE

Sureshield Selection Criteria - Typical Properties

6-9mm	Xmm	Nominal Thickness
A	S - Steel Float	Slip Resistance Options
	T - Glass Float	
	B - Coarse Aggregate	
	A - All Options	
E	P - Poor	Chemical Resistance
	G - Good	
	V - Very good	
	E - Exceptional	
10	1 = Fair	Impact Resistance
	5 = Average	
	10 = Excellent	
10	1 = Fair	Wear Resistance
	5 = Average	
	10 = Excellent	
SB	R= Roll	Installation Method
	S= self Smoothing	
	RB= Roll & Broadcast	
	SB= Slurry & Broadcast	
	T= Trowel	
RS= Roll / squeegee		
4	Hours - light to medium duty use	Minimum into Service Time (Time after last coat)
Y	Yes/No	UV stability / Exterior / Strong Sunlight



HOW TO SPECIFY

Product -	Sureshield
Finish -	Semi Gloss
Thickness -	6 - 9mm
Colour -	Variable (see website for details)
Preparation -	Preparatory work and application is accordance with manufacturer's instructions.
Application -	Full application specification available upon request. Application to be carried out by Nuplex approved applicators
Manufacturer -	Nuplex Construction Products Contact 03 366 6802 Mr Colin Nolan

TECHNICAL DATA

Performance at 25°C 50%RH	
Workable pot life	20-30 minutes
Hard Dry	3 hours
Light foot traffic	3 hours
Recoat	within 24 hours
Full Use	4 hours
Moisture absorption	0.04% as per ASTM D570-63
Temperature Resistance (dry)	-25 – 90 C @ 6mm thickness -25 – 120C @ 9mm thickness
Temperature Resistance (wet)	-25 – 70 C @ 6mm thickness -25 – 100C @ 9mm thickness
Flexural strength	25Mpa
Tensile Strength	15N/mm ²
Weight per m ² @ 8mm thickness:	17-18kgs
Slip Resistance	Steel Float 0.46
TRRL On Site Test Performance	Glass Float 0.58 Aggregated 0.73
Abrasion resistance	1000 cycles,
ASTM H22 abrasive wheel, 1kg load	Abrasive wear index 68
Co-efficient of expansion	2.23 x 10 ⁻⁵ /C between 20°C and 60°C when heated at 1°/minutes.
Minimum thickness	6 -9mm
Minimum application temperature	+5°C
Colour:	Natural Gold; or other colours dependant on aggregate selection, or the system may be tinted for full thru-colour permanence
Fire Resistance –AS/ISO 9239-1-2003 non directional	Critical Heat / Radient Flux : 6.5Kw/m ² Smoke Value: 379Kw/m ²
Packaging	Resin 20ltr Metal Pails, 225 kgs Drum Catalyst 5ltr plastic Pails
Material Shelf Life	6 months in unopened containers,
PPE	Wear suitable protective respirator and clothing when using this product. Products are flammable, Erect no smoking signs when products in use. No welding or naked flames permitted during installation

For full technical specifications visit website www.nuplexconstruction.com or contact
New Zealand – Phone: 0508 882288 – email: ncpsales@nuplex.co.nz
 or **Australia** – Freecall : 1800 007 322



GUARANTEES AND INSTALLATION WARRANTIES

- Nuplex Construction Products provide a material guarantee that is backed by a global company.
- Sureshield is backed by a 10 year serviceable warranty.
- Products are manufactured to ISO 9001 standards and Nuplex is TELARC registered.
- All installation contractors are trained and skilled in installing Nuplex products and have a good track record for installation.
- The installation warranty is provided by the Nuplex Contractors Federation, backed by insurance giant QBE which covers defective workmanship.



www.nuplexconstruction.com
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About Nuplex Industries

Nuplex Construction Products is the foundation business of the global Nuplex Industries Group. Nuplex has built a reputation for delivering high quality innovative products through its commitment to R&D across its various businesses. We ensure the latest technologies are harnessed to provide the New Zealand and Australian markets with engineered construction products that are durable, and backed by product and installation warranties.