



Industrial and Commercial Flooring Solutions

Nuplex Construction Products have an unparalleled selection of engineered industrial and commercial floor toppings and coatings.

- Sureshield[®] Polyester Coatings
- Supascreed[®] Epoxy Coatings
- Nuthane[®] Polyurethane Coatings
- Surechem[®] Vinyl Ester Coatings
- RapidFloor[®] MMA Coatings
- Nuplex Floor Sealers



Sureshield®

Sureshield is an 8mm industrial grade floor topping system specifically designed for the Australian and New Zealand food industry. Sureshield resin is blended with specially graded silica-quartz aggregates to produce a flooring system that is hard and durable, resistant to impact, abrasion, thermal shock and chemicals, yet is non-porous, hygienic and easily cleaned.

FEATURES

- A heavy duty flooring system.
- Graded silica-quartz aggregate flooring system.
- Applied by specialist flooring contractors.
- Available in a number of coloured applications.
- Quick 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.
- 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.



Epoxy Resin Floor Topping

Supascreed®, **Surecote® 500** and **Surecote® 500 AR** have been specifically formulated as trowel-applied coatings for the prevention of corrosion in concrete surfaces in strong chemical environments. They can be used in fibreglass laminations (horizontal and vertical) and in aggregate filled (horizontal) applications onto concrete surfaces. The acid resistant (AR) versions give excellent resistance to both organic and inorganic acids.

High Solids Epoxy Coatings

Terratuff® SLE and **Surecote® 200 HS** are high solids heavy duty epoxy floor coatings. For use over concrete floors and drains where protection from corrosion and chemical attack is required. Recommended for use in food, beverage, oil and chemical, automotive, marine and fertiliser manufacturing and warehousing environments. They are typically applied in 2 coats and can be finished to a smooth, stippled or non-slip texture. Terratuff SLE and Surecote 200 are 100% solids self-levelling, high build epoxy coatings. They have gloss or off-gloss finishes. They will fill small divots to give a flat floor.

Polyurethane Resin Floor Topping

Nuthane® is an industrial grade floor topping system specifically designed for the Australasian food industry. Nuthane resin is blended with specially graded silica quartz aggregates to produce a floor system that is hard and durable, resistant to impact, abrasion, thermal shock and chemicals/food acids, yet is non-porous, hygienic and easily cleaned. Can be installed by Slurry and Broadcast for standard 6mm coating thickness and Medium Duty 3mm finish. Trowel in 12mm and Trowel Prefill in 20mm coating thickness.

Vinyl Ester Topping

Surechem® VE is a highly chemical resistant version of Sureshield. It is able to withstand even higher temperatures and stronger chemical exposure than standard industrial flooring.

MMA Resin Floor Topping

RapidFloor® MMA resin is blended with specially graded silica quartz aggregates to produce a floor system that is hard and durable, resistant to impact, abrasion, thermal shock and chemicals/food acids, yet is non-porous, hygienic and easily cleaned. RapidFloor MMA is fully bonded to the concrete to prevent water creep. May be used as a clear finish or as a plain coloured (non-aggregated finish).





Decorative Floor Coatings

Terraflake® epoxy/flake and polyurethane decorative floor finish system. Often used in ablution blocks and public facilities. It offers a durable and decorative finish to utility areas.

Architectural Terrazzite® provides a high quality resin based terrazzo effect/finish. Whilst not strictly industrial it is often used in areas of high interest (such as high traffic retail) and offers the advantages of a seamless and decorative floor. No odour systems in common use now.



Floor Sealers

Creteseal®, Crystal Seal®, Diamond Seal®, Revathane® and **Becothane®** are durable industrial concrete floor sealers.



Other coating systems

Traxite® is a 2-3mm aggregate finish for non-slip flooring and repair applications. It consists of resin with coloured chips to provide a safe yet decorative floor finish. Often used in swimming pool surrounds. Traxite VE is a highly flexible and durable repair version for more extreme environments.

Fibreclene® and **Situclad®** Systems – are resin and fibreglass wall laminate range. Used wherever a smooth, seamless, hygienic, easy to clean, white finish is required.





Floor Coating
Performance Guide

		Nominal Thickness	Slip Resistance Options	Chemical Resistance	Impact Resistance	Wear Resistance	Installation Method	Minimum into Service Time (Time after last coat)	UV stability / Exterior / Strong Sunlight
		Xmm N - Negligible	S - Smooth T - Slip Resistant B - Both options available	P - Poor G - Good V - Very good E - Exceptional	1 = Fair 5 = Average 10 = Excellent	1 = Fair 5 = Average 10 = Excellent	R= Roll S= self Smoothing RB:= Roll & Broadcast SB= Slurry & Broadcast T= Trowel RS= Roll / squeegee	Hours - light to medium duty use	Yes/No
Floor Coating/ Topping Type	Products	Selection Criteria - Typical Properties							
Clear Sealers	Aqua Clear	0.1	S	P	3	4	R	4	Y
	Crystal / Diamond Sealer	N	S	P	3	4	R	4	N
	Revathane Clear	0.2	B	G	4	5	R	12	Y
	M7 / M3 urethanes	0.2	S	G	4	5	R	12	N
Floor Coatings	Unituff	0.5	T	G	3	4	R	3	Y
	Terratuff	0.2	B	G	5	6	R	12	N
	Surecote 200	1	B	G	6	7	RS	12	N
	Supadeck	1.3	B	G	7	7	R	12	Y
	Terraflake	0.75	B	G	5	6	R	24	Y
Self Smoothing	Terratuff SLE	1-2	B	VG	5	6	R	12	N
	Nuthane MD	2-4	S	G	5	6	RS	12	N
2 - 3mm coatings	Traxite VE	2-3	T	E	7	7	RB	4	Y
	Traxite Colourfine	2-3	T	VG	7	7	RB	4	Y
	RapidFloor MMA	2-3	T	VG	7	7	RB	2	Y
4 -5mm Coatings	Nuthane SB Polyurethane	4-6	T	E	9	9	SB	8	Y
	Decorative Terrazzite	6	B	VG	8	8	T	4	Y
Trowelled Heavy Duty Toppings	Sureshield	8-9	B	E	10	10	T	4	Y
	Industrial Terrazzite	6-7	B	E	10	10	T	4	Y
	Architectural Terrazzite	6	S	P	6	6	T	12	Y
	Architectural Terrazzite ZV	6	S	P	6	6	T	12	Y
	Nuthane T Polyurethane	6-8	B	E	10	10	T	8	Y
	Supascreed	6	B	VG	9	9	T	8	N
	Surechem VE	6-8	B	E	10	10	T	4	Y



Benefits

- All products are available nationally and are installed by licensed contractors who provide quality workmanship in partnership with Nuplex Construction Products.
- Technical staff are available for site visits, inspections and specialist technical advice.
- Fully detailed product specifications, datasheets and technical detail drawings are readily available.
- Strong heritage of performance – All products are made locally for local conditions.
- Specific colour and volume choice are available on request – Speak to your local Nuplex Sales Representative for more information.

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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.