



RESULTS DELIVERED.

FLOOR COATINGS GUIDE

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About A&I Coatings

Since 1981, A&I Coatings have developed and manufactured premium, customised coating systems for use across high end commercial and industrial applications. A&I Coatings has over 40 years of experience and is responsible for bringing some of the most innovative and long-lasting paint technology to Australia. Fully certified ISO 9001-2008 A&I Coatings confidently responds to the most daunting challenges and fulfils the most complex requirements.

About Floor Coatings

A&I Coatings stands out in the industry with its extensive range of epoxy, polyurethanes, ESD flooring and polyurethane cement, catering to diverse industrial and commercial applications. Our floor coatings deliver outstanding durability and chemical resistance, perfect for warehouses and manufacturing areas. They protect concrete from heavy wear while improving safety with slip-resistant finishes. With a focus on innovation and quality, our epoxy and polyurethane coatings meet strict industry standards while exceeding customer expectations. From high-traffic zones to hygienic food prep areas, they're built for long-lasting performance and protection, backed by advanced technology and continuous improvement.

A&I HAS THE ABILITY TO PROVIDE CUSTOM MANUFACTURED COLOURS WITH OUR IN-HOUSE. TINTING SYSTEM.



Flooring Products Guide

PRODUCT	KIT SIZE	TECHNOLOGY	TYPICAL APPLICATION	TYPICAL DRY FILM THICKNESS	APPLICATION MODE	VOC	DIRECT APPLICATION TO CONCRETE	NOTES
WATER BASED EPOXY								
Enviroset 2000	20L	Water based epoxy clear in gloss/satin	Warehouse, offices, polished slabs, retail	2 coats 120-150 micron	Roller / Brush / Spray	Low - Green Star Compliant	Yes – satin must always have base coat of gloss	Long pot life
Enviroset 2100	20L	Water based coloured satin epoxy	Showroom, retail, warehouse, labs, schools, wall coating	2 coats 120-150 micron	Roller / Brush / Spray	Low - Green Star Compliant	Yes	Vapour permeable / Long pot life
SOLVENT FREE EPOXY								
Enviroset 4001	15L	Solvent free epoxy primer	Prime green concrete, oil contaminated concrete	1 coat 150- 200 microns	Roller / Brush	Low - Green Star Compliant	Yes	Moisture barrier on fresh concrete. Best primer for oily surface that cant be 100% cleaned
Enviroset 4111	60L	Solvent free epoxy resin	Primer, binder for epoxy screed, cove and skim layers	100 micron- unlimited as mortar	Roller / Brush / Screed bar / Trowel	Low - Green Star Compliant	Yes	Exceptional self-smoothing capacity when used as a leveller/ skim. Low odour
Enviroset 4111GPA	60L	Thicker consistency, higher viscosity formulation	Primer, binder for epoxy screed, cove and skim layers	100 micron- unlimited as mortar	Roller / Brush / Screed bar / Trowel	Low - Green Star Compliant	Yes	Thicker version suitable for epoxy coving. Low odour
Enviroset 4110	10L	Low viscosity solvent free pigmented epoxy coating	Workshops, data centre, factories, warehouse	2 coats 250- 300 microns	Roller / Brush	Low - Green Star Compliant	Yes	Exceptional wet edge marry up. No roller lap lines. Gloss finish
Enviroset 4116 (requires 1kg Epoxy colour pot)	10L (incl Colour Pot)	Solvent free heavy duty pigmented epoxy coating or self-smoothing topping	Workshops, aviation, resurfacing concrete, pharmaceutical, warehouses, retail	2 coats 250- 300 microns 1-4mm topping when extended	Roller / Brush / Pin rake / Trowel	Low - Green Star Compliant	Yes	Extendable with dried sand for economical epoxy topping
Enviroset 4113 (requires 1kg Epoxy colour pot)	10L (incl Colour Pot)	Stippled finish, solvent free pigmented epoxy coating	Workshops, heavy industrial areas, storage, factory production zones	2 coats 25- 300 microns	Roller / Brush	Low - Green Star Compliant	Yes	Attractive stipple helps hide imperfections in concrete. Good on walls
Ultrafast Epoxy Hardener	2.5L, 20L	Rapid cure hardener	Can be used with E4111, 4113, 4116, 4110	Base coat only 150 – 300 microns	Roller / Brush	Low - Green Star Compliant	Yes	Recoat 2 hrs at 22°C and 3 hrs at 14°C. Base coats only
Enviroset SF Clear	30L	Solvent Free epoxy/acrylic hybrid	Topcoat for flake floors, concrete clear sealer. Resin for metallic flooring	1 coat 150- 200 microns 1mm for metallic floors	Roller / Brush / Squeegee	Low - Green Star Compliant	Yes	UV stable for internal behind glass applications. High build solvent free. Contains resin made from Bio recycled mass for lower carbon impact. Excellent levelling
Enviroset Novacoat	16L	100% Novalac Solids Epoxy	Secondary containment, wet wells, sewerage and waste water, battery recharge areas	160-250 microns	Roller / Brush	Low VOC	Yes	100% Solids, exceptional chemical resistance, excellent durability, silica-free formation
Epoxy Colour Pot Standard Colour	1kg							To be used with E4113 and E4116
Epoxy Colour Pot Green Colour	1kg							To be used with E4113 and E4116
Epoxy Colour Pot Yellow/Red Colour	1kg							To be used with E4113 and E4116
ELECTRICALLY DISSIPATIVE/CONDUCTIVE FLOORING								
Enviroset ESD Primer 100	12L	Solvent free epoxy	Primer for electrically dissapitive floor system	1 coat 150 microns	Roller / Brush	Low - Green Star Compliant	Yes	Containing conductive nano particles, RG <10^8 Ohms
Enviroset Conductive Primer	12L	Solvent free epoxy	Primer for electrically conductive floor system	1 coat 150 microns	Roller / Brush	Low - Green Star Compliant	Yes	Containing conductive nano particles, RG <10^6 Ohms
Enviroset 4116 ESD	10L	Solvent free epoxy	Used in EPA zones – Aerosol, munitions, AGV movements, electronics industry	2 coats 300 microns	Roller / Brush	Low- Green Star Compliant	No, must be primed with Enviroset ESD primer	Containing conductive nano particles, RG <10^9 Ohms
Enviroset 4116 Conductive	10L	Solvent free epoxy	Used in EPA zones - Aerosol, munitions, AGV movements, electronics industry	2 coats 300 microns	Roller / Brush	Low- Green Star Compliant	No, must be primed with Enviroset Conductive primer	Containing conductive nano particles, RG <10^6 Ohms
SOLVENTED POLYURETHANES								
Vitrethane 633 Clear	10L	UV stable solvent-based polyurethane in gloss or satin	Clear coats for flake flooring, polished concrete, and areas needing UV stable coating	1 coat 60-70 microns	Roller / Brush / Spray	High VOC	Yes – satin must have coat of gloss first	Contains UV blockers as well as being UV stable itself Good wet edge time. Long pot life. Used externally
Vitrethane 633 Coloured	10L	UV stable solvent based coloured satin or gloss coating	To provide UV stable coloured coat over epoxy for heavy duty applications. Also, a stand-alone coating (2 coats 120-150 micron)	1 coat 60-70 microns	Roller / Brush / Spray	High VOC	Yes	Excellent chemical/abrasion resistance UV stable can be used externally. Long pot life

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WATERBASED POLYURETHANE								
Envirothane 8470 Clear	9L	UV stable clear water based satin polyurethane coating	Polished concrete, flake floors, retail, commercial	1 coat 60-70 microns	Roller / Brush	Low - Green Star Compliant	No- refer PDS for primer	Very user friendly with excellent wear and scuff resistance
Envirothane 8470 Light Pastel Colours	9L	UV stable coloured water based satin polyurethane coating	Retail, offices, commercial	1 coat 60-70 microns	Roller / Brush	Low - Green Star Compliant	No- refer PDS for primer	Attractive slick satin finish with excellent maintainability and ease of clean
Enivrothane 8473 Light Pastel Colour	11L	UV stable coloured satin acrylic/urethane hybrid. Flexibilised non-slip coating	Balconies, external foot traffic areas, stadiums, walkways	2 coats 120-150 microns	Roller / Brush	Low - Green Star Compliant	No- refer PDS for primer	Has inbuilt aggregate to deliver P4 slip rating. Fast drying and flexible coating. Typically used as the final coat in Enduraflex system
SOLVENT FREE POLYURETHANE								
Vitrethane 606	17.3kg	Flexible solvent free polyurethane elastomer	Waterproof layer for Balconies, plant rooms, concourses, mezzanine	1-2 mm	Trowel / Spike roller	Low - Green Star Compliant	No- refer PDS for primer	Waterproofing layer with excellent crack bridging but hard enough to be foot trafficable (with final coats E8473). Typically used as the final coat in Enduraflex system. Easy self-smoothing application
POLYURETHANE CONCRETE								
Verbocrete PU-MF (PF) (requires 1x 0.18kg Vebrocrete Pigment)	19.82kg	Coloured water-based polyurethane/cement, hybrid self-smoothing topping	Kitchens / bars / food and beverage, manufacturing, resurface industrial floors	3-6 mm	Pin rake / Spike roller / Flat trowel	Low - Green Star Compliant	Yes	Excellent self-smoothing properties and good open time. Excellent thermal shock capacity and chemical resistance. HACCP Approved. Phthalate and red list chemical free
Verbocrete PU- MATTE Coating (PF) (requires 1x 0.18 Vebrocrete Pigment)	4.35kg	Coloured water based polyurethane cement coating	Kitchens / bars / food beverage processing	250 micron - 700 micron	Roller / Brush / Squeegee	Low - Green Star Compliant	Yes	High chemical resistance and Matte finish. Formulated for ease of rolling application. Phthalate and red list chemical free
Verbocrete PU- MATTE Coating (PF) (requires 2x 0.18 Vebrocrete Pigment)	8.7kg	Coloured water based polyurethane cement coating	Kitchens / bars / food beverage processing	250 micron - 700 micron	Roller / Brush / Squeegee	Low - Green Star Compliant	Yes	High chemical resistance and Matte finish. Formulated for ease of rolling application. Phthalate and red list chemical free
Vebrocrete PU – SATIN Coating (PF) (requires 2x 0.18kg Vebrocrete Pigment)	6.96kg	Coloured water based polyurethane cement coating	Kitchens / bars / food beverage processing	250 micron - 700 micron	Roller / Brush	Low - Green Star Compliant	Yes	High chemical resistance and Satin finish. Optimized for quick and easy maintenance. Phthalate and red list chemical free
Vebrocrete Pigment	0.18kg	Water based pigment	Used to tint Vebrocrete PU base & topcoats	N/A	N/A	Low - Green Star Compliant	N/A	Supplied in easy-to-use satchels
RAPID CURE METHYL METHACRYLATE								
Endurafast Primer	20kg	Methyl Methacrylate	Rapid cure primer for Endurafast systems	400 micron	Roller / Brush	Low, but has strong aromatic odour	Yes	1 hour cure damp primer
Endurafast Universal Binder	20kg	Methyl Methacrylate	Rapid cure binder for Endurafast systems	500 micron – 4mm (sand extended)	Roller / Brush / Trowel	Low, but has strong aromatic odour	No	Extendable with sand for self-smoothing layers
Endurafast Sealer	20kg	Methyl Methacrylate	Rapid cure sealer for Endurafast systems	400 micron per coat	Roller / Brush	Low, but has strong aromatic odour	No	UV stable and excellent hot weather/ oil resistance
ACRYLIC COATING								
Stober Coat A150	20L	Single pack clear acrylic coating	Warehouses, retail, car parks, petrol stations, back of house areas	40- 50 microns per coat	Roller / Brush / Spray	High – not green star rated	Yes	30% high solids content, excellent resistance to petrol, single pack, easy application.
PAVING COATING								
Tred Grip	10L	Waterbased acrylic emulsion coating	Pavements, tennis and basketball courts, verandas, walkways	400-600 microns	Roller / Brush	Low - Green Star Compliant	Yes	Flexible slip resistant single pack coating suitable for concrete and asphalt. Hard wearing and can handle some crack movement. Foot traffic only



Floor Coatings Overview:

Water-based Epoxy

Water-based epoxy systems are designed to meet green star requirements. These coatings offer a low-odour, environmentally friendly solution for protecting concrete surfaces. Easy to apply and clean up, water-based epoxies provide strong adhesion, chemical resistance, and a durable finish, ideal for commercial, industrial, and light-duty applications.

Solvent free Epoxy

Solvent free epoxy systems are heavy-duty floor coatings with excellent chemical resistance. Easy to clean and available in a range of colours makes these coatings ideal for pedestrian, vehicle, and forklift traffic. Solvent free epoxies can be used as roll coats or in high build flooring systems.

Water based polyurethanes:

Water based polyurethanes are environmentally friendly versions of traditional solvent based polyurethanes. With fast drying properties and very good UV resistance on exterior exposure, these coatings may be applied in conjunction with epoxy primer and intermediate coats to provide a durable coating system.

Solvent based polyurethanes:

Solvent based polyurethanes are two-pack coatings providing a non-yellowing finish. With fast drying properties and very good UV resistance on exterior exposure, these coatings may be applied in conjunction with epoxy primer and intermediate coats to provide a durable coating system.

Polyurethane Cements:

Polyurethane Cements are slip resistant Polyurethane concrete Hybrid Flooring System. Featuring quick cure time and return to service, the Non-DG formulation is able to be used in live production. These Systems are ideal for resurfacing badly worn concrete and have good thermal shock resistance. Polyurethane cements have excellent chemical resistance to organic food matter and excellent impact resistance.



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