



DELTA STARLITE SL 2

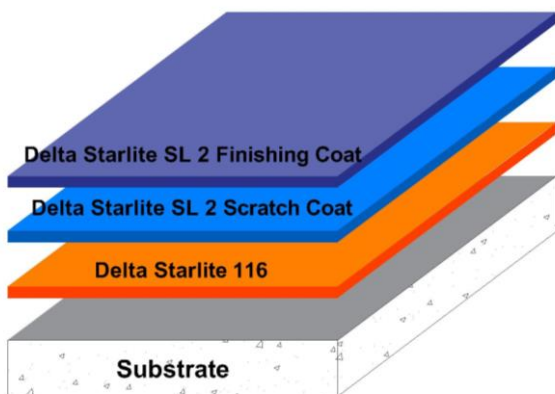
Self-Smoothing Epoxy Flooring System



DESCRIPTION

A three pack, easy to apply, epoxy resin self-smoothing flooring system laid at average thickness of 2mm.

SYSTEM DESIGN



PACKAGING

- ❖ 20 kg set comprises of:
 - Part A – 7.2 kg
 - Part B – 3.8 kg
 - Part C – 9 kg (filler)

FINISH

Gloss.

COLOUR

Available in a range of standard colours.

BENEFITS

- ❖ Seamless and hygienic.
- ❖ Excellent chemical resistance.
- ❖ Easy to clean and sterilise.
- ❖ Attractive and aesthetically pleasing.
- ❖ High abrasion resistance.
- ❖ Solvent free, low odour.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation



USES

- ❖ Use in areas where a clean and hygienic environment is required.
- ❖ For protection of surfaces against dusting, solvent and chemical attack.
- ❖ Typical applications include assembly plant, pharmaceutical, warehouse, clean room, show room, laboratories, electronic industry.

SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. Surface preparation by captive shot blasting, scarifying, diamond disc grinding. For oil/grease contaminated areas, use chemical degreaser followed by thorough water washing and drying. For other specific application, consult DELTA INTERCONTINENTAL P/L.

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APPLICATION

- ❖ Primer coat of Delta Starlite 116 @ 0.25kg/m²
- ❖ Scratch coat of Delta Starlite SL 2 @ 0.90kg/m².
- ❖ Finishing coat of Delta Starlite SL 2 @ 2.7kg/m² (average 2 mm thick).

Mixing – Before mixing, stir Part A, then mix Part A and Part B thoroughly for 2 minutes. Add Part C and mix content thoroughly for 3 minutes. Mixing is done by using slow speed power mixer (300 – 500 rpm).

Tools – Applied using notched rake, notched trowel, and spike roller.

Recoating time – Interval between coats: 8 hours.
Maximum recoating time: 24 hours.

TECHNICAL AND APPLICATION DATA

Compressive Strength ASTM C579	55 N/mm ²
Flexural Strength ASTM C580	33 N/mm ²
Pull-off Strength ASTM D 4541	Cohesive strength of concrete
Abrasion Resistance ASTM D 4060 (1000g, 1000 cycles)	0.15g
Chemical Resistance	See list attached

Recommended dry film thickness	2mm
No of coats	Primer + 2 coats
No. of components	3

Mixing ratio (by weight)	3.6 : 1.9 : 4.5 Part A : B : C
Pot Life	20mins @ 28°C
Temperature resistance	55°C

MAINTENANCE

To maintain the appearance of the floor, all spillage must be removed immediately and clean regularly using rotary scrubber, wash and vacuum in conjunction with suitable detergents and waxes.

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Starlite SL 2 have a shelf life of 12 months in original unopened packing, stored in dry enclosed place without exposing to direct sunlight and at temperature between 15°C to 35°C, protected from frost.

SAFETY

Product contains epoxy resins and amines. Do not take internally. May irritate eyes and skin. Ensure adequate ventilation and avoid inhaling vapours. Always use with suitable personal protective equipment.

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Chemical Resistance List

Chemical	Result
Acetic Acid (10%)	Faint mark
Acetic Acid (25%)	Faint mark
Acetic Acid (40%)	Faint mark (discoloration)
Acetic Acid (99%)	Faint mark (discoloration)
Ammonium Hydroxide (28%)	No effect
Brine (Saturated sodium chloride)	No effect
Calcium Chloride (37%)	No effect
Calcium Chloride (50%)	No effect
Calcium Hydroxide (Saturated)	No effect
Copper Sulfate (Saturated)	No effect
Citric Acid (20%)	No effect
Citric Acid (60%)	No effect
Detergent (Alkaline)	No effect
Formic Acid (40%)	Faint mark (discoloration)
Formic Acid (70%)	Faint mark (discoloration)
Formic Acid (90%)	Faint mark (discoloration)
Formic Acid (99%)	Faint mark (discoloration)
Gasoline	No effect
Hydraulic Fluid/Oil	No effect
Hydrochloric Acid (10%)	No effect
Hydrochloric Acid (37%)	Faint mark
2-propanol (99%)	No effect
Jet Fuel	No effect
Kerosene	No effect
Lactic Acid (30%)	No effect
Lactic Acid (80%)	Faint mark

Chemical	Result
Methyl Ethyl Ketone (99%)	No effect
Mineral oil	No effect
Motor Oil	No effect
Nitric Acid (5%)	No effect
Nitric Acid (30%)	Severe mark
Nitric Acid (65%)	Severe mark
N-Methyl Pyrrolidone (NMP) (100%)	Faint mark
Phosphoric Acid (5%)	Faint mark
Phosphoric Acid (40%)	Faint mark (discoloration)
Phosphoric Acid (50%)	Faint mark (discoloration)
Phosphoric Acid (85%)	Faint mark (discoloration)
Potassium Hydroxide (50%)	No effect
Sodium Bisulfite (40%)	No effect
Sodium Hydroxide (20%)	No effect
Sodium Hydroxide (32%)	No effect
Sodium Hydroxide (45%)	No effect
Sodium Hydroxide (50%)	No effect
Sodium Hypochlorite (15%)	No effect
Sulfuric Acid (5%)	No effect
Sulfuric Acid (30%)	No effect
Sulfuric Acid (50%)	Very faint mark
Sulfuric Acid (98%)	Severe mark (peeling)
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect

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