



DELTA STARLITE SL AS

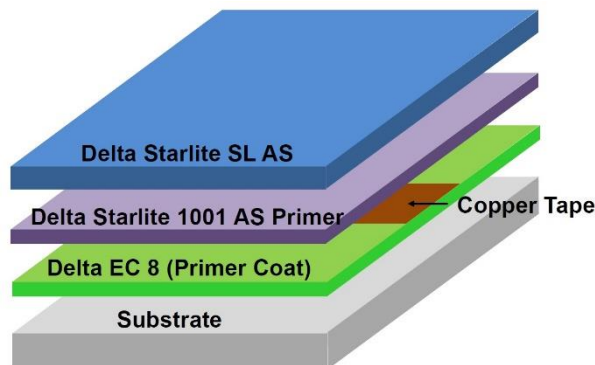
Anti-Static, Self-Levelling Epoxy



DESCRIPTION

A static dissipative, epoxy resin self-smoothing flooring system laid at average thickness of 2mm.

SYSTEM DESIGN



COLOR

Available in a range of standard colours.

USES

- ❖ In facilities where there is a need to limit the built up of static charges.
- ❖ Typical applications include electronic, pharmaceutical, clean room environment, flammable solvent handling areas, powder explosion risk area.

BENEFITS

- ❖ Eliminates static charge built up from personnel and vehicles.
- ❖ Seamless and hygienic.
- ❖ Good chemical resistance.
- ❖ Easy to clean and sterilize.
- ❖ Attractive and aesthetically pleasing.
- ❖ High abrasion resistance.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation



FINISH

Gloss

SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from 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.

APPLICATION

- ❖ Primer coat of Delta EC 8 @ 0.17kg/m².
- ❖ Lay 10mm wide copper tape to form maximum 1.5m grid and minimum 100mm from edges.
- ❖ 1 coat of Delta Starlite 1001 AS Primer @ 0.20kg/m².
- ❖ Finishing coat of Delta Starlite SL AS @ 2.7kg/m².

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Mixing – Before mixing, stir Part A, then mix Part A and 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, spike roller.

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

TECHNICAL AND APPLICATION DATA

Compressive Strength ASTM C579	64.3 N/mm ²
Flexural Strength ASTM C580	19.3 N/mm ²
Pull-Off Strength ASTM D 4541	1.78 N/mm ²
Taber Abrasion Resistance ASTM D 4060 (1000g, 1000 cycles, CS17 wheels)	0.12g
Slip Resistance	0.65
Resistance to Earth	1 x 10 ⁵ to 10 ⁹ Ω
Static Charge Decay	Dissipates 500V
Chemical Resistance	See list attached

Recommended dry film thickness	1.8mm
No. of coats	2 Primer + 1 coat
No. of components	3
Mixing Ratio (by weight)	7 : 3 : 6 Part A : B : C
Pot Life	20 mins @ 29°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 AS have a shelf life of 12 months in original unopened packing, stored in dry, enclosed place without exposure to direct sunlight and temperature between 15°C to 35°C, protected from frost.

PACKAGING

16 kg set

Comprises of: Part A – 6.2 kg
Part B – 3.4 kg
Part C – 6.4 kg (fillers)

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