



DELTA STARLITE SL 2 NG

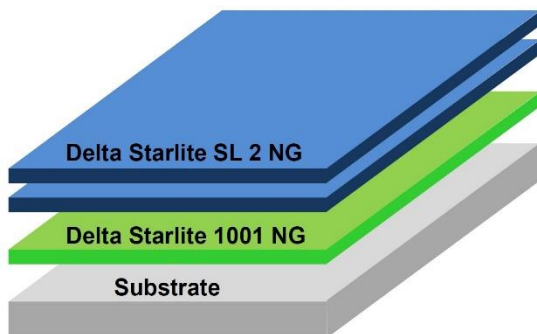
Non-Gassing, Self-Smoothing Epoxy Coating System



DESCRIPTION

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

SYSTEM DESIGN



USES

- ❖ Use in areas where a durable, highly cleanable environment is required.
- ❖ For protection of surfaces against dusting, solvent and chemical attack.
- ❖ Typical applications include assembly plant, pharmaceutical, warehouse, clean room, laboratories, high-technology electronic manufacturing facilities.

BENEFITS

- ❖ Provides protection against both chemical and mechanical attack.
- ❖ Seamless and hygienic.
- ❖ Good chemical resistance.
- ❖ Attractive and aesthetically pleasing.
- ❖ Non-gassing, do not leach toxic/corrosive ingredients during application and upon curing; does not contain any amine or ammonia or solvent.

COLOR

Available in a range of standard colours.

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 Starlite 1001 NG @ 0.17kg/m².
- ❖ Scratch coat of Delta Starlite SL 2 NG @ 0.90kg/m².
- ❖ Finishing coat of Delta Starlite SL 2 NG @ 2.70kg/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

Air Sampling and Ionic Evaluation	
1. Fluoride, F ⁻	<0.2 ppb
2. Chloride, Cl ⁻	1.3 ppb
3. Nitrite, NO ₂ ⁻	2.5 ppb
4. Bromide, Br ⁻	<0.2 ppb
5. Phosphate, PO ₄ ³⁻	<0.2 ppb
6. Sulphate, SO ₄ ²⁻	<0.2 ppb

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	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 2 NG 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

20 kg set

Comprises of: Part A – 7.2 kg
Part B – 3.8 kg
Part C – 9 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 (Open spot 6 hours @ 25 C)	Result
Acetic Acid (10%)	No effect
Acetic Acid (25%)	No effect
Acetic Acid (40%)	No effect
Acetic Acid (99%)	Faint mark (Discoloration)
Brine (Saturated sodium chloride)	No effect
Calcium Chloride (50%)	No effect
Calcium Hydroxide (Saturated)	No effect
Citric Acid (20%)	No effect
Citric Acid (60%)	No effect
Detergent (Alkaline)	No effect
Formic Acid (40%)	No effect
Formic Acid (70%)	Very faint mark (Discoloration)
Formic Acid (90%)	Very faint mark (Discoloration)
Formic Acid (99%)	Very faint mark (Discoloration)
Gasoline	No effect
Hydrochloric Acid (10%)	No effect
Hydrochloric Acid (37%)	No effect
2-propanol (99%)	No effect
Jet Fuel	No effect
Kerosene	No effect
Methanol (99%)	No effect
Methylene Chloride (99%)	No effect
Methyl Ethyl Ketone (99%)	No effect

Chemical (Open spot 6 hours @ 25 C)	Result
Motor Oil	No effect
Nitric Acid (5%)	No effect
Nitric Acid (30%)	No effect
Nitric Acid (65%)	Faint mark (Stain)
Phosphoric Acid (5%)	Very faint mark (Discoloration)
Phosphoric Acid (40%)	Faint mark (Discoloration)
Phosphoric Acid (50%)	Faint mark (Discoloration)
Phosphoric Acid (85%)	Faint mark (Discoloration)
Potassium Hydroxide (50%)	No effect
Sodium Chloride (Saturated)	No effect
Sodium Hydroxide (20%)	No effect
Sodium Hydroxide (32%)	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%)	No effect
Sulfuric Acid (98%)	Severe mark (Peeling)
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect