



# DELTA STARLITE 1001 NG

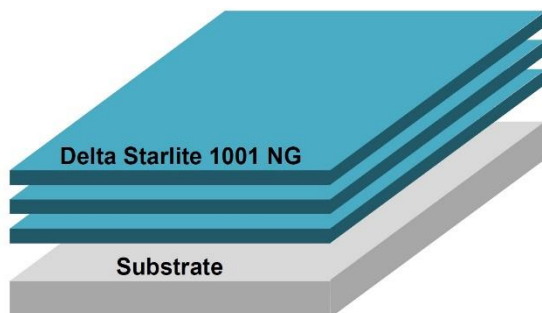
Non-Gassing Epoxy Coating



## DESCRIPTION

A non-gassing water-dispersed epoxy primer/topcoat.

## SYSTEM DESIGN



## USES

- ❖ Ideal for use as floor and wall coatings in high level manufacturing and highly sensitive areas where emission of toxic gasses is strictly prohibited.
- ❖ Use in areas where controlled hygiene cleanliness is important and where solvent-based material is not suitable.
- ❖ Typical applications include electronics, semiconductors, precision, assembly plant, pharmaceutical, clean room and other light industrial areas.

## BENEFITS

- ❖ Resistant to wide range of chemicals.
- ❖ Less sensitive to moisture during application.
- ❖ Compatible with cementitious as well as asphaltic substrates.
- ❖ Non-gassing, does not leach toxic/corrosive ingredients during application and upon curing; does not contain any amine or ammonia or solvent.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation

## COLOR

Available in a range of standard colours.

## FINISH

Satin

## 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.

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## APPLICATION

- ❖ Primer coat of Delta Starlite 1001 NG @ 0.17kg/m<sup>2</sup>.
- ❖ Scratch coat of Delta Starlite 1001 NG @ 0.20kg/m<sup>2</sup>.
- ❖ Finishing coat of Delta Starlite 1001 NG @ 0.20kg/m<sup>2</sup>.

Mixing – Before mixing, stir Part A, then mix Part A and B thoroughly for 2 minutes.

Mixing is done by using slow speed power mixer (300 – 500 rpm).

Tools – Applied using brush, short nap epoxy roller or airless sprayer.

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

## 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 1001 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.

## TECHNICAL AND APPLICATION DATA

Air Sampling and Ionic Evaluation	
1. Fluoride, F <sup>-</sup>	<0.2 ppb
2. Chloride, Cl <sup>-</sup>	1.9 ppb
3. Nitrite, NO <sub>2</sub> <sup>-</sup>	2.2 ppb
4. Bromide, Br <sup>-</sup>	<0.2 ppb
5. Phosphate, PO <sub>4</sub> <sup>3-</sup>	<0.2 ppb
6. Sulphate, SO <sub>4</sub> <sup>2-</sup>	<0.2 ppb

Recommended dry film thickness	425μ
No. of coats	3 coats
No. of components	2
Mixing Ratio (by weight)	4 : 1 Part A : B
Pot Life	45 mins @ 29°C
Temperature Resistance	55°C

## PACKAGING

5 kg set

Comprises of: Part A – 4 kg  
Part B – 1 kg

## SAFETY

Product contains epoxy resins. Do not take internally. May irritate eyes and skin. Although product does not emit toxic gasses, adequate ventilation should still be ensured to 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%)	No effect
Brine (Saturated sodium chloride)	No effect
Calcium Chloride (50%)	No effect
Calcium Hydroxide (Saturated)	No effect
Citric Acid (20%)	Very faint mark (Discoloration)
Citric Acid (60%)	Very faint mark (Discoloration)
Detergent (Alkaline)	No effect
Formic Acid (40%)	No effect
Formic Acid (70%)	No effect
Formic Acid (90%)	Very faint mark
Formic Acid (99%)	Very faint mark
Gasoline	No effect
Hydrochloric Acid (10%)	Very faint mark (Discoloration)
Hydrochloric Acid (37%)	Very faint mark (Discoloration)
2-propanol (99%)	No effect
Jet Fuel	No effect
Kerosene	No effect
Methanol (99%)	Very faint mark (Stain)
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%)	Very faint mark (Stain)
Nitric Acid (30%)	Very faint mark (Stain)
Nitric Acid (65%)	Faint mark
Phosphoric Acid (5%)	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%)	Very faint mark (Stain)
Sulfuric Acid (5%)	No effect
Sulfuric Acid (30%)	No effect
Sulfuric Acid (50%)	No effect
Sulfuric Acid (98%)	Faint mark (Stain)
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect