



DELTA STARLITE 104 SP AS

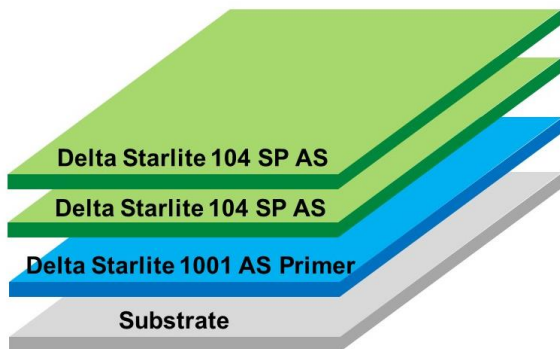
Anti Static, Solvent-Free Epoxy Coating



DESCRIPTION

Delta Starlite 104 SP AS is a two component solvent free epoxy coating with static controlled properties and high chemical resistance.

SYSTEM DESIGN



BENEFITS

- ❖ Eliminates static charge built up from personnel and vehicles.
- ❖ Excellent resistance to chemical, abrasion, impact and thermal shock.
- ❖ Low permeability to water and chloride ions.
- ❖ Low odour and food grade.

- ❖ Can incorporate anti slip floor finish
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation



USES

- ❖ Ideal for use as floor coatings, especially where solvent-based material is unsuitable.
- ❖ 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.

COLOR

Available in a range of standard colours or clear.

FINISH

Satin

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.

Delta Intercontinental Pte Ltd
38 Woodlands Industrial Park E1, #06-04
Singapore 757700

Tel : +65 6219 0700 Fax: +65 6219 2822
Email : deltaintercon@singnet.com.sg
Website : www.deltaintercon.com.sg



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APPLICATION

- ❖ Primer coat of Delta Starlite 1001 AS Primer @ 0.20kg/m²
- ❖ Body coat of Delta Starlite 104 SP AS @ 0.25kg/m²
- ❖ Finishing coat of Delta Starlite 104 SP AS @ 0.25kg/m²

Mixing – Before mixing, stir Part A, then mix Part A and Part B thoroughly for 2 minutes, using a slow speed power mixer (300 – 500 rpm).

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

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

TECHNICAL AND APPLICATION DATA

Solid Content	100%
Bond Strength (ACI Committee #503)	>400 PSI (100% concrete failure)
Abrasion Resistance (Taber CS-17 Wheel)	0.1gm/1000gm Loading/1000 cycles
Hardness (Shore D)	70-75
Flexural Strength	20 N/mm ²
Tensile Strength	12 N/mm ²
Electrical Resistance (BS 2050)	Conductive within 5 x 10 ⁵ to 10 ⁹ Ω
Chemical Resistance	See list attached

Dry Film Thickness	120μ (2 coats)
No. of coats	Primer + 2 coats
No. of components	2
Mixing ratio	5 : 1 by weight of Part A & Part B
Pot Life	45mins @ 25°C
Temperature resistance	80°C (dry)

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Starlite 104 SP AS 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 10°C to 35°C. Protect from frost.

PACKAGING

6 kg set
Comprises of: Part A - 5kg
Part B - 1kg

SAFETY

Always use with suitable personal protective equipment. For more information on safety, refer to the product safety data sheet.



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Chemical Resistance Chart

	CONC. %	°C	RESULTS
Acetic acid	10	20	R
Acetic acid	10	80	L
Acetic acid	20	20	L
Acetic acid	20	80	NR
Acetic acid	60	20	R
Acetic acid	100	20	L
Acetic anhydride	-	20	L
Acetone	100	20	L
Acetonitrile	100	20	L
Acrylic acid	100	20	R
Adipic acid	all	20	R
Aluminium chloride	all	20	R
Aluminium sulphate	all	20	R
Ammonia (ammonium hydroxide)	10	20	R
Ammonia (ammonium hydroxide)	25	20	L
Ammonium nitrate	all	20	R
Ammonium phosphate	all	20	R
Ammonium sulphate	all	20	R
Amyl acetate	100	20	L
Aniline	100	20	L
Antifreeze (ethylene glycol)	100	20	R
Apple juice	-	20	R
Barium chloride	all	20	R
Barium sulphate	all	20	R
Beer	-	20	R
Benzaldehyde	100	20	NR
Benzene	100	20	L
Benzoic acid	100	20	L
Benzoyl chloride	100	20	L
Benzyl alcohol	100	20	R
Blood	-	20	R
Boric acid	all	20	R
Brake fluid	-	20	R
Brine - chlorinated	all	80	NR
Brine (sodium chloride)	all	20	R
Butanol	100	20	R
Butter	-	20	R
Butyl acetate	100	20	R
Butyric acid	100	20	R
Calcium chloride	all	20	R
Calcium hydroxide	all	20	R
Calcium hypochlorite	all	20	R

	CONC. %	°C	RESULTS
Cinnamaldehyde	100	20	L
Citric acid	20	20	R
Citric acid	20	60	L
Citric acid	50	20	L
Copper(II) sulphate	all	20	R
Cyclohexane	100	20	R
Cyclohexanone	100	20	L
Detergents - acidic	all	20	R
Detergents - acidic	all	80	R
Detergents - alkaline	all	20	R
Detergents - alkaline	all	80	R
Dibutyl phthalate	100	20	R
Dichlorobenzene	100	20	L
Diethyl ether	100	20	R
Diethylene glycol	100	20	R
Di-isopropylamine	100	20	R
Dimethylformamide	100	20	NR
Diocetyl phthalate	100	20	R
Ethanol	100	20	R
Ethyl acetate	100	20	L
Ethyl glycol acetate	100	20	R
Ethylene dichloride	100	20	L
Ethylene glycol	100	20	R
Fats - animal and vegetable	-	20	R
Fats - animal and vegetable	-	80	L
Fish oils	-	20	R
Fish oils	-	80	L
Fluorosilicic acid	all	20	R
Formaldehyde (formalin)	37	20	R
Formic acid	20	20	L
Formic acid	90	20	NR
Fumaric acid	all	20	R
Gasoline	-	20	R
Glucose	all	20	R
Lactic acid	5	20	R
Lactic acid	5	60	L
Lactic acid	90	20	L
Lauric acid	-	60	L
Lauric acid	-	80	NR
Magnesium nitrate	all	20	R
Maleic anhydride	100	20	R
Malic acid	5	20	R
Methacrylic acid	100	20	L

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	CONC. %	°C	RESULTS
Methanol	100	20	L
Methyl ethyl ketone	100	20	L
Methyl ethyl ketone peroxide	100	20	R
Methyl isobutyl ketone	100	20	R
Methyl methacrylate	100	20	L
Methylated spirits	-	20	R
Methylene chloride	100	20	L
Milk	-	20	R
Monochlorobenzene	100	20	L
N -Methyl pyrrolidone	100	20	NR
N,N -Dimethyl acetamide	100	20	NR
Nitric acid	25	20	R
Nitric acid	50	20	L
Nitric acid	65	20	NR
Nitropropane	100	20	L
o -Cresol	100	20	L
Oil - crude	-	20	R
Oil - diesel	-	20	R
Oil - fuel	-	20	R
Oil - lubricating	-	20	R
Oil - mineral	-	20	R
Oil - motor	-	20	R
Oil - silicone	-	20	R
Oleic acid	100	20	R
Oleic acid	100	80	L
Orange juice	-	20	R
Oxalic acid	5	20	R
Palmitic acid	100	20	R
Perchloric acid	70	20	R
Phenol	5	20	L
Phosphoric acid	5	80	L
Phosphoric acid	80	20	R
Potassium aluminium sulphate (alum)	all	20	R
Potassium carbonate	all	20	R
Potassium dichromate	all	20	R
Potassium hydroxide	10	80	L
Potassium hydroxide	45	20	R
Potassium nitrate	all	20	R
Potassium permanganate	all	20	R
Propylene glycol	100	20	R
Pyridine	100	20	NR
Salicylic acid	100	20	R

	CONC. %	°C	RESULTS
Skydrol 500B4	-	20	R
Skydrol LD4	-	20	R
Sodium acetate	all	20	R
sodium carbonate	all	20	R
Sodium chlorate	all	20	R
Sodium chloride	all	20	R
Sodium hydroxide	20	80	L
Sodium hydroxide	50	20	R
Sodium hydroxide	50	80	NR
Sodium hypochlorite	15	20	R
Sodium sulphide	all	20	R
Stearic acid	100	20	R
Styrene	100	20	R
Succinic acid	20	20	R
Sugar (sucrose)	all	20	R
Sugar (sucrose)	all	80	R
Sulphuric acid	20	60	L
Sulphuric acid	70	20	R
Sulphuric acid	98	20	NR
Tartaric acid	15	20	R
Tetrachloroethylene (perchloroethylene)	100	20	R
Tetrahydrofuran	100	20	NR
Thioglycolic acid	100	20	R
Toluene	100	20	R
Toluene sulphonic acid	100	20	R
Trichloroacetic acid	100	20	NR
Trichlorobenzene	100	20	NR
Trichloroethylene	100	20	R
Trisodium phosphate	all	20	R
Turpentine	-	20	R
Urea	20	20	R
Urine	-	20	R
Vegetable oil	-	20	R
Vegetable oil	-	80	L
Water	-	20	R
Water	-	80	L
White spirit	-	20	R
Xylene	10	20	R

Note:

R = Resistance (Assuming floor cleaned reasonably)
L = Limited resistance (Infrequent spillages were washed quickly)
NR = Not resistance (Even small spillage attacks the floor severely)

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