



DELTA STARLITE 500 (METAL ROOF)

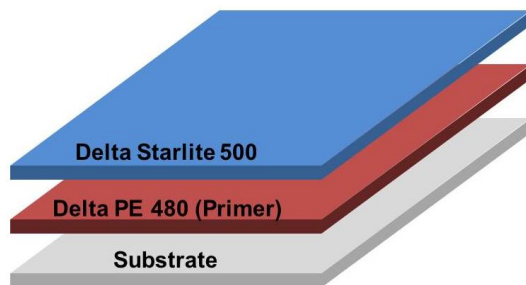
Polyester Urethane Coating for Metal Roof



DESCRIPTION

A two component, high performance, pigmented or clear polyester urethane coating. It has integral waterproofing properties.

SYSTEM DESIGN



USES

- ❖ For recoating of existing metal roof.
- ❖ For recoating of existing metal structures.
- ❖ For protection of surfaces against dusting, solvent, UV exposure and chemical attack.

COLOR

Available in clear and range of standard colours

FINISH

High gloss, satin and matt.

BENEFITS

- ❖ Good bond adhesion to non-porous substrates.
- ❖ Excellent UV and weathering resistance.
- ❖ Resistance to a wide range of chemicals.
- ❖ Easy to apply and clean.
- ❖ Extremely durable.
- ❖ Versatile – can be used as a decorative coating for vertical and horizontal substrates.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP certification.



SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. For oil/grease contaminated areas, use degreaser followed by thorough water washing and drying. For other specific application, consult DELTA INTERCONTINENTAL P/L.

APPLICATION

- ❖ Primer coat of Delta PE 480 @ 0.15lit/m².
- ❖ Top coat of Delta Starlite 500 @ 0.10lit/m².

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

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

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

TECHNICAL AND APPLICATION DATA

Recommended dry film thickness	150µ
No. of coats	Primer + 1 coat
No. of components	2
Mixing Ratio A:B (by volume)	Primer – 5.67:1 Top coat – 4:1
Pot Life	60 minutes @ 30°C
Temperature Resistance	80°C

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Starlite 500 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.

PACKAGING

- ❖ Primer: 5 lit set comprises of: Part A – 4.25 lit
Part B – 0.75 lit
- ❖ Top coat: 5 lit set comprises of: Part A – 4 lit
Part B – 1 lit

SAFETY

Product is highly flammable and contains free isocyanates. Do not smoke when working. Ensure adequate ventilation and avoid inhaling vapours when working. Always use with suitable personal protective equipment.

Chemical Resistance List

Chemical	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%)	No effect
Citric Acid (60%)	No effect
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%)	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
Motor Oil	No effect
Nitric Acid (5%)	No effect
Nitric Acid (30%)	No effect
Nitric Acid (65%)	Severe mark (Blistering)
Phosphoric Acid (5%)	No effect
Phosphoric Acid (40%)	No effect
Phosphoric Acid (50%)	No effect
Phosphoric Acid (85%)	Faint mark
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%)	Faint mark
Sulfuric Acid (98%)	Severe mark (Peel off)
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect

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