



# DELTA STARLITE PU 5075

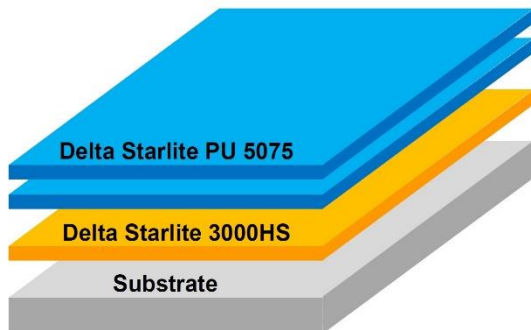
High Build Aliphatic PU Coating



## DESCRIPTION

A two-component, high build, aliphatic, high performance acrylic polyurethane coating for metal substrates.

## SYSTEM DESIGN



## COLOR

Available in a range of standard colours.

## USES

- ❖ Ideal for use as a finishing coat for structural steel in aggressive and corrosive environments.
- ❖ Typical applications include onshore and offshore steel superstructures, pipelines, bridges.

## BENEFITS

- ❖ Durable.
- ❖ Excellent flow and levelling properties.
- ❖ Easy to maintain.
- ❖ Excellent colour and gloss retention.
- ❖ Long term recoatability properties.
- ❖ Resistant to spillages or splashes of mild chemicals.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation



## FINISH

High gloss

## SURFACE PREPARATION

Substrates to be coated must be clean, dry, free from dust, grease or oil, or any other surface contaminants. For steel surfaces, surface preparation by abrasive blasting according to SA2½. For oil/grease contaminated areas, use approved chemical degreaser. For other specific application, consult DELTA INTERCONTINENTAL P/L.

## APPLICATION

- ❖ Primer coat of Delta Starlite 3000 HS @ 0.12lit/m<sup>2</sup>.
- ❖ Body coat of Delta Starlite PU 5075 @ 0.085lit/m<sup>2</sup>.
- ❖ Finishing coat of Delta Starlite PU 5075 @ 0.085lit/m<sup>2</sup>.

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

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

Recoating Time – Interval between coats: 6 hours  
Maximum recoating time: Indefinite

## SAFETY

Product is flammable, keep away from sources of ignition. This product contains isocyanate and polyurethane. Do not take internally. May irritate eyes and skin. Ensure adequate ventilation and avoid inhaling vapours. Always use with suitable personal protective equipment.

## TECHNICAL AND APPLICATION DATA

Recommended dry film thickness	100µ
No. of coats	Primer + 2 coats
No. of components	2
Mixing Ratio (by volume)	6.4 : 1 Part A : B
Pot Life	1 hour 45 mins @ 29°C
Cleaner	Solvent
Chemical Resistance	See list attached

## STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Starlite PU 5075 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

5 lit set

Comprises of: Part A – 4.32 lit  
Part B – 0.68 lit

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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%)	Faint mark
Acetic Acid (99%)	Severe mark (peeling, flaky)
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%)	Faint mark
Formic Acid (90%)	Severe mark (peeling, flaky)
Formic Acid (99%)	Severe mark (flaky)
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%)	Faint mark

Chemical (Open spot 6 hours @ 25°C)	Result
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 (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)
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect