

DELTA NANO 100 SELF CLEANING PAINT SYSTEM

Nano Titanium Dioxide Self-Cleaning Paint System



DESCRIPTION

Delta Nano 100 Self Cleaning Paint System comprises of:

- Delta Starlite 117* – a solvent-based acrylic primer.
- Delta Starlite PU 118* – a solvent-based polyurethane coating integrated with proprietary nano-sized functional additives to enhance the self-cleaning effect.
- Delta Nano 100 Top* – a water-based nano-sized TiO₂ (titanium dioxide) topcoat which has the active ingredient that gives the self-cleaning effect.

BENEFITS

- ❖ Reduce the maintenance cost of architecture surfaces
- ❖ Improve aesthetics of buildings

USES

- ❖ For self-cleaning of painted surfaces of building façade.

FINISH

Gloss

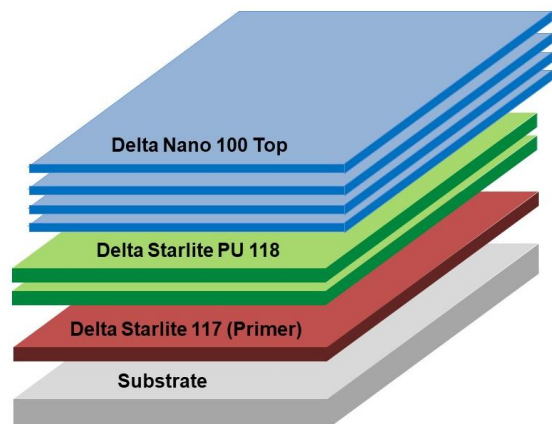
COLOUR

Extensive selection available

SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. Use mechanical stone grinding or other mechanical means to remove laitance. All residues must be removed by vacuum cleaning to provide a dry, dust free open textured surface. For other specific application, consult DELTA INTERCONTINENTAL P/L.

APPLICATION



- ❖ 1 coat of Delta Starlite 117
@ 8 m²/lit/coat @ 25µm/coat
- ❖ 2 coats of Delta Starlite PU 118
@ 10 m²/litre/coat @ 50µm/coat.
- ❖ 4 passes of Delta Nano 100 Top
@ 75 - 90 m²/litre/pass.

Subjected to site condition, more passes can be applied.

DELTA NANO 100 SELF CLEANING PAINT SYSTEM

Nano Titanium Dioxide Self-Cleaning Paint System



Tools:

- ❖ Delta Starlite 117 and Delta Starlite PU 118
- applied by brush, short nap roller or airless sprayer.
- ❖ Delta Nano 100 Top
- applied by spray gun with atomized air and alternating vertical and horizontal spray movement.

Recoating Time:

- ❖ Delta Starlite 117 – Min : 8 hours @ 35°C
Max : 7 days @ 35°C
- ❖ Delta Starlite PU 118 - Min : 3 hours @ 35°C
Max : 7 days @ 35°C
- ❖ Delta Nano 100 Top - Interval between pass:
when previous pass is dry.



PACKAGING

- Delta Starlite 117A : 5lit/pail
- Delta Starlite PU 118A : 5lit/set
- Delta Nano Anti Algae Top : 1lit/bottle

TECHNICAL AND APPLICATION DATA

Delta Starlite 117	
Flash Point	>25°C
Volume Solid	43%
No. of Components	1
Recommended DFT	25µm per coat
Delta Starlite PU 118	
Flash Point	29°C
Volume Solid	60%
Recommended DFT	50 - 75µm per coat
No. of components	2
Mixing ratio (by vol)	6.4 : 1 Part A : Part B
Pot Life	90 min @ 35°C
Delta Nano 100 Top	
Anti Microbial (JIS R1702:2006)	See report enclosed
Industrial Hygiene Monitoring tested by Setsco	See report enclosed
Accelerated Weathering (ISO 11341:2004)	See report enclosed
Dirt Collection (SS500:2002)	See report enclosed

STORAGE CONDITIONS AND SHELF LIFE

All materials should be stored in a cool, dry place without exposure to direct sunlight. Shelf life of all materials is 12 months.

SAFETY

General PPE and safety measures for chemicals to be complied with. There should be appropriate ventilation and exhaust at application area.

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