



DESCRIPTION

CleanCoat is a Delta Water Repellent Coating System for concrete. It protects concrete structures from the damaging effect caused by water ingress, thereby extends the durability of the structures and renders the structure an aesthetically pleasing finish.

CleanCoat comprises of:

- a. *Delta PE 108* – a water-based primer.
- b. *Delta Starlite 110* – a fiber reinforced resurfacing finish for concrete.
- c. *Delta Nano Water Repellent (Mineral Surface)* – a water-based penetrating water repellent spray which contains other proprietary nano particles to enhance its water repellency property.

BENEFITS

- ❖ Renders concrete structures an aesthetically pleasing finish
- ❖ Protects concrete structures from freeze-thaw damage caused by water ingress
- ❖ Helps prevent spalling concrete

USES

- ❖ As a water repellent and resurfacing finish for concrete structures

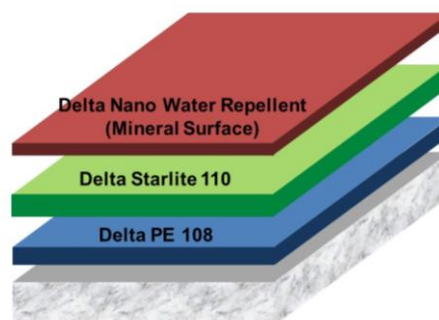
COLOR

White

SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. Surface preparation by scarifying, diamond disc grinding and high pressure water jetting. For oil/grease contaminated areas, use chemical degreaser followed by thorough water washing and drying. For other specific application, consult DELTA INTERCONTINENTAL PTE LTD.

APPLICATION



- ❖ 1 coat of Delta PE 108 @ 0.125lit/m²
- ❖ 1 coat of Delta Starlite 110 @ 3.33kg powder/m² (average 3mm thick)
- ❖ 5 passes of Delta Nano Water Repellent (Mineral Surface) @ 0.04lit/m²/pass. Allow product to soak into the substrate.

Note: Protect from rain for at least 3 hours.



Mixing:

- ❖ Delta PE 108 – Shake before use.
- ❖ Delta Starlite 110 - Clear water is put into a clean mixing container and whilst stirring vigorously as much powder is mixed in, to give a lump free compound.
- ❖ Delta Nano Water Repellent (Mineral Surface) – Shake before use.

Tools:

- ❖ Delta PE 108 - Applied using brush or roller.
- ❖ Delta Starlite 110 - Applied using steel trowel.
- ❖ Delta Nano Water Repellent (Mineral Surface) – Applied using low pressure spray.

Recoating Time:

- ❖ Delta PE 108 – 15 to 30 mins @ 23°C.
- ❖ Delta Starlite 110 – after 24 hrs.
- ❖ Delta Nano Water Repellent (Mineral Surface) – Interval between coats: When the previous pass is still wet.

TECHNICAL AND APPLICATION DATA

| Delta PE 108 | |
|---------------------------|--|
| Drying time @ 23°C | 15 – 30 mins |
| pH | 8-9 |
| Delta Starlite 110 | |
| Compressive Strength | 7 days: 7 N/mm ² 12 days: 12 N/mm ² |
| Tensile Bending Strength | 7 days: 3 N/mm ² 12 days: 5 N/mm ² |
| pH | 11 |
| Bulk Density | Approx. 1 kg/lit |

| Fresh Mortar Weight | Approx. 1.4 kg/lit |
|---|-------------------------|
| No. of components | 1 |
| Mixing ratio (by weight) | 1 : 2 Water : Powder |
| Pot Life | 30mins @ 20°C |
| Delta Nano Water Repellent (Mineral Surface) | |
| Density | 1.01 g/L |
| pH | 6 - 8 |
| Flash Point | >100°C |
| Drying Time | 1-2 hours |

PACKAGING

- Delta PE 108 : 20 lit/pail
- Delta Starlite 110 : 20 kg/pail
- Delta Nano Water Repellent (Mineral Surface) : 1 lit/bottle

STORAGE CONDITIONS AND SHELF LIFE

Delta PE 108 has a shelf life of 12 months in original unopened packing. Delta Starlite 110 has a shelf life of 6 months in original unopened packing. Delta Nano Water Repellent (Mineral Surface) has a shelf life of 24 months in original unopened packing. All materials to be stored in dry enclosed place without exposing to direct sunlight and at temperature between 15°C to 35°C. Protect from frost.

SAFETY

Product contains cement. Do not take internally. May irritate eyes and skin. Ensure adequate ventilation and avoid inhaling vapours. Always use with suitable personal protective equipment.