



DELTA STARLITE 115 QS

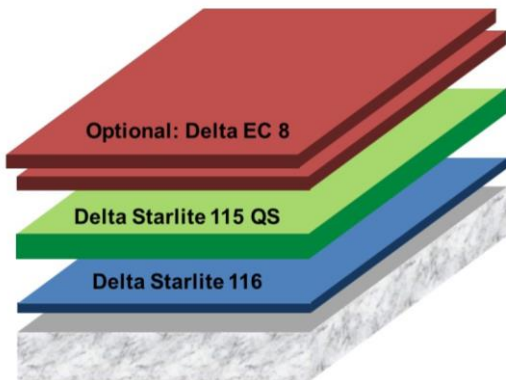
Quick-Setting Epoxy Mortar



DESCRIPTION

Delta Starlite 115 QS is a quick-setting, three component, solvent-free epoxy mortar screed system.

SYSTEM DESIGN



PACKAGING

32.44kg set comprises of: Part A – 2.34kg
Part B – 0.9kg
Part C – 29.2kg (Aggregates)

COLOUR

Natural sand colour.

BENEFITS

- ❖ High abrasion and impact resistance
- ❖ Good chemical resistance
- ❖ Can incorporate anti-slip finish
- ❖ Seamless
- ❖ Quick-setting
- ❖ Solvent-free
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation

USES

- ❖ Areas where a seamless floor surface with good impact, hard-wearing and chemical resistance is required.
- ❖ As a quick-setting repair mortar to repair and restore old, worn surfaces.
- ❖ Typical uses include process, manufacturing, pharmaceutical, chemical warehouses and car parks.

FINISH

Low sheen

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 PTE LTD.

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APPLICATION

- Primer coat of Delta Starlite 116 (Part A and Part B) @ 0.25kg/m².
- Body coat of Delta Starlite 115 QS epoxy mortar @ 10.3kg/m² (average 5mm thick).

Note: If laid as a final finish, seal surface with two coats of Delta EC 8 @ 0.17kg/m²/coat.

Mixing – Before mixing, stir Part A, and then mix Part A and Part B thoroughly for 2 minutes. Add Part C and mix content thoroughly for 4 minutes. Mixing is done by using an epoxy mortar pan mixer.

Tools – Applied using notched rake, notched trowel and power float.

Recoating Time – Interval between coats: 3 hours
Maximum recoating time: 24 hours



MAINTENANCE

To maintain the appearance of the floor, all spillage must be removed immediately and clean regularly using rotary rubber, wash and vacuum in conjunction with suitable detergents and waxes.

TECHNICAL AND APPLICATION DATA

Compressive Strength ASTM C579	64.6 N/mm ²
Flexural Strength ASTM C580	20.0 N/mm ²
Pull-off Strength ASTM D 4541	2.83 N/mm ²
Taber Abrasion Resistance ASTM D 4060 (1000g, 1000 cycles, CS17 wheels)	0.15g
Chemical Resistance	See attached list

Recommended dry film thickness	5mm
No. of components	3
Mixing ratio (by weight)	2.6 : 1 : 32.4 Part A : B : C
Pot Life	20mins @ 29°C
Temperature resistance	60°C

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Starlite 115 QS 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. Protect from frost.

SAFETY

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

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Chemical Resistance List

Chemical	Result
Acetic Acid (10%)	Faint mark (Discoloration)
Acetic Acid (25%)	Faint mark (Discoloration)
Acetic Acid (40%)	Faint mark (Discoloration)
Acetic Acid (99%)	Faint mark (Discoloration)
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%)	Severe mark (Blistering)
Formic Acid (70%)	Severe mark (Blistering)
Formic Acid (90%)	Severe mark (Blistering)
Formic Acid (99%)	Severe mark (Blistering)
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

Chemical	Result
Motor Oil	No effect
Nitric Acid (5%)	No effect
Nitric Acid (30%)	Very faint mark (Stain)
Nitric Acid (65%)	Faint mark (Stain)
Phosphoric Acid (5%)	No effect
Phosphoric Acid (40%)	No effect
Phosphoric Acid (50%)	No effect
Phosphoric Acid (85%)	No effect
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%)	Faint mark (Stain)
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect