Technical Data Sheet

Statop™ Coloured Surface Hardener

Product

Statop™ Coloured surface hardener is a pre-mixed ready to use product. This product has a complete blend of highest quality selected pigments and formulated powders that when blended gives a far superior result than integral colouring.

Usage

Mostly for the application of Slate Pave and KotaCrete™ Suitable also for the application of Finta Brick™ and wherever there is a need for coloured concrete.

Advantages

Statop Coloured surface hardener over integral colouring:
The colour can be made intense, without excessive use of oxide because it's concentrated on the surface Hardens the surface, therefore adds Wear & UV Resistance.

The surfaces tend to be less porous than concrete, that use the integral method because surface density is increased by the topping and finishing techniques used.

Coverage

Approximately per 20 kg bag Slate Pave: 10 /15 sq mtrs Kotcrete™ Spray-on: 8/10 sq mtrs Finta Brick™: 8/10 sq mtrs. Pastel colours require more per sq metre.

Curing

Once Sealed: Full curing is not achieved up to 7 days at ambient temperature 15 to 28°C. Avoid parking cars on new sealed surfaces until full curing is achieved. Foot traffic following day.

Package

Ready to use 20kg moisture resistant bag.
Available in an extensive range of colours.

Storage

- Store out of direct sunlight.
- Keep dry and well protected.
- Avoid wet, damp or humid conditions.

Shelf Life

Approximately 9 months, providing stored correctly and unopened.

Handling

- Manual handling without due care could result in personal injury.
- Avoid contact with skin and eyes.
- Wear suitable protective equipment.

Properties

Appearance: Various Coloured powders

Equipment

Not applicable.

Precautions

Prior to application it is advisable to protect walls and structures to avoid possible staining. Ensure all excess contaminations do not enter into waterways, drains or other storm water facilities. DO NOT apply if excess bleed water is present. DO NOT over trowel surface.

Application

Refer to Product Data Sheet for the preferred application.

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Independent tested in 1998. All tests carried out at 28 days on Concrete with a Compressive Strength of 25 Mpa. with the following results

Certified Test Results
When applied to wet concrete

Abrasion Resistance	Up to 9 times greater than the concrete applied to (Abrasion Resistance can be further increased when a Sealer is applied)
Adhesion Strength	No 2416 (AS 1580.408.5-1994) 160 PSI. Demonstrated satisfactory adhesion strength to the concrete samples supplied in accordance with BS8204 Part 3 1993
Colourfastness	No 2417 (AS 1580.481.1.2) No Colour Change after 2000 hours accelerated weathering
Compressive Strength	No 2418 (AS 2073-1977) 86.7 MPa Demonstrated a satisfactory mean compressive strength. The compressive strength value obtained was greater than values published for several similar general purpose cementatious floor coating products in the market, and comparable with some “high strength” products. It is considered the material possesses adequate strength for demanding service environments given proper curing.

Certified Test Results
When applied to existing concrete

Abrasion Resistance	(Chaplin Abrasion Testing) Complying with BS8204 1987 Part 2 Up to 30 times greater than the concrete applied to when using Allbond™ as the bonding agent.
Adhesion Strength	No 2233 (AS 1580.408.5-1994) 188 PSI Demonstrated satisfactory adhesion strength to the concrete samples supplied in accordance with BS8204 Part 3 1993
Colourfastness	No 2231(AS 1580.481.1.2) No Colour Change after 2000 hours accelerated weathering
Compressive Strength	(AS 2073-1977) 84.6 Mpa The MPa is greater than the above test result when using Allbond as the bonding agent.
Friction Resistance	No 2091 (AS 1141.42) 71.4 PAFV Demonstrated satisfactory friction values in accordance with AS 3661.1.1993 and BS8204 Part 3: 1993