

DECK HARDTOP

Cementitious Color Hardener

INTRODUCTION

Deck Hardtop is a multi-purpose dry-shake colour hardener product purpose-designed for surface-formed decorative coloured concrete and/or stamp impressed concrete and stencil pattern concrete used to simulate brick, stone, slate or tile paving in pathways and light-traffic driveways.

The product is applied by dry-shake method on freshly placed concrete before initial set and trowelled to produce the desired finish on the hardened concrete surface.

As is the case with all paving materials, durability is dependent upon competent workmanship practices and in-service conditions to which the finished pavement is exposed and provided that the pavement on which Deck Hardtop is applied has been designed for the loadings and soil conditions that supports it.

APPLICATION AREA

Deck Hardtop is tested & is suitable as a decorative wear surface on cast in-place concrete used in pathways and light traffic driveways. Product grade and consistency is ideally suited to stamp impressed decorative concrete method or stencil pattern concrete systems used to produce normal household pathways, driveways, poolside paving, light traffic roadways and car parks.

KEY FEATURES

Deck Hardtop provides a distinctive, abrasion resistant decorative colour finish on cast-in-place plain concrete surfaces. Competently applied, Deck Hardtop can simulate the rich, variegated tones and custom look of traditional and contemporary paving bricks, slate or quarry tiles when used in conjunction with stencil pattern or stamp pattern concrete systems.

Deck Hardtop finished thickness is approximately 3-5mm for minimal impact on pavement design loads and tolerances to match levels and existing fixtures. Decorative concrete paving produced with Deck Hardtop is a cost competitive option to segmental paving bricks or tiles. It eliminates the need for concrete mix- design adjustment in color by concrete manufacturer to achieve required concrete compressive strengths.

Deck Hardtop is inert and can be handled with confidence and safety when applied in accordance with the manufacturer's instructions. Easily adapted to large or small projects, service life in excess of 10 years can be expected subject to competent workmanship practices and in-service conditions to which the pavement is exposed, and maintenance. Service life and appearance can be enhanced by periodical cleaning and sealing with decorative concrete sealer.

Deck Hardtop achieves excellent compressive strength, abrasion resistance and skid resistance.

PERFORMANCE DATA

Slip resistance

Deck Hardtop shall be worked and finished to produce a textured, skid resistant surface as required by AS/NZS 3661.1. Normal finishing techniques for stamp impressed concrete may need attention to meet Standards minima. Mean Value/Result of testing to AS/NZS 4586-1999 = 0.65 (very low risk) is achievable.

Abrasion resistance

Mean Abrasion Index 0.3 (High Resistance)

Compressive strength

Mean Index 40 MPa at 28 days

Estimating product coverage

To ensure sufficient and uniform coverage, Deck Hardtop should be applied at the recommended rate of 2.8 - 3.5 kg/m² for normal household pathways and light traffic driveways.

APPLICATION PROCEDURE

Before application, protect any adjacent fixed structures with plastic sheeting.

Deck Hardtop may be applied after cessation of bleed water in the freshly placed concrete. Fresh concrete shall be compacted and worked until all the coarse aggregate is below the surface and mortar comes to the top. Hand-cast the colour uniformly over the surface. Apply in two separate casting operations, with at least one half to two thirds of the volume of colour requirements being applied in the first casting operation.

Deck Hardtop must be thoroughly and completely worked into the fresh concrete surface after each

casting operation. Each colour application might normally be made at 90 °to each other, so far as is practicable. Wide areas may necessitate the use of a bridge to promote coverage.

Since concrete sets more quickly at the slab edge, apply and trowel colour to edges first. Final finishing shall be in accordance with normal, recognized concrete finishing practices.

Apply Deck Sealer which is clear sealing compound after completion to promote concrete curing and clean ability of the finished work.

PACKAGING

30 Kg sack

STORAGE

Store in the original sealed packaging in dry environment away from water reach. Shelf life of 6-12 months may be expected depending upon climate conditions.

HEALTH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach.

PRODUCT DISCLAIMER

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.