

CMM 3000

MULTI-MIX

SPECIFICATIONS

DESCRIPTION:

CMM 3000 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 CMM 3000 is applied has been designed for the loadings and soil conditions that support it.

RECOMMENDED USE:

CMM 3000 is tested 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.

FEATURES AND BENEFITS:

CMM 3000 provides a distinctive, abrasion resistant decorative colour finish on cast-in-place plain concrete surfaces.

Competently applied, CMM 3000 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.

CMM 3000 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 CMM 3000 is a cost competitive option to segmental paving bricks or tiles. Eliminates the need for concrete mix-design adjustment in colour-thru concrete manufacture to achieve standard concrete compressive strengths. Saves surcharge of concrete truck wash-outs and other associated extras.

CMM 3000 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 20 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 from Designer Concrete Coatings.

CMM 3000 achieves excellent compressive strength, abrasion resistance and skid resistance.

STORAGE AND SHELF LIFE:

Store in the original sealed packaging in dry weather-proof environment. Shelf life of 6-12 months may be expected depending upon climate conditions.

PERFORMANCE DATA:

CMM 3000 shall develop normal compressive strength after 28 days. Until hard-set has occurred, freshly finished surfaces must be protected from rain or damage from other sources. In windy conditions and on days of low humidity, special precautions must be taken during concrete placement and finishing to control concrete drying shrinkage particularly when this is combined with high ambient temperatures. Concrete curing is recommended for a period of not less than 72 hours after placing the concrete by an approved curing compound or sealer.

Slip Resistance

CMM 3000 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 AS/NZS 4456.9-1997

Mean Abrasion Index 0.3 (High Resistance)

Compressive Strength

Mean Index 40MPa at 28 days

ESTIMATING PRODUCT COVERAGE

To ensure sufficient and uniform coverage, CMM 3000 should be applied at the recommended rate of 2.8 - 3.5kg/m² that approximates 20kg/8m² for normal household pathways and light traffic driveways.

PRODUCT APPLICATION – IN BRIEF.

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

CMM 3000 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.

CMM 3000 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, recognised concrete finishing practices.

Apply an appropriate D.C.C. clear sealing compound after completion to promote concrete curing and cleanability of the finished work.

Unless otherwise specified or shown on drawings, the construct of residential concrete paving slabs should be according to guidance given in AS 3727 – 1993.

IMPORTANT NOTE: The information contained in this publication is for general guidance only and in no way replaces the advice or services of professional consultants. No liability is accepted by the publishers for its use.

Licensed or otherwise appropriately experienced concrete contractors who use and recommend D.C.C. product systems asserts that the contractor has been instructed in the proper application of the products and has received copies of the manufacturer's product specifications.

Each contractor is an independent entity and bears responsibility for workmanship and proper application of D.C.C. product systems. D.C.C. assumes no liability for the workmanship or improper product application of independent concrete contractors or their agents or employees. Provisions of this notice do not reduce or limit D.C.C.'s obligations in relation to proven defective or faulty materials at the point of sale should they arise from time to time as stipulated in the company's written product warranty.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION

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