

TECHNICAL BULLETIN

PERMA COLOUR COLOUR HARDENER

Perma Colour colour hardener is a dry shake mix of pure silica sands and aggregates, cements, iron oxides and special chemical additives, that are broadcast over freshly poured concrete and trowelled in to colour the concrete. Perma Colour colour hardener is a ready to use product designed to colour, harden and finish any new, freshly poured concrete surface, adding a vibrant and subtle colour and providing a hard durable and abrasion resistant surface for pedestrian and vehicular traffic.

COLOURS

Perma Colour colour hardener is available in 26 vibrant colours - custom colours can be formulated and manufactured to order for orders over one tonne if required.

COVERAGE

Perma Colour colour hardener coverage rates will vary due to different conditions and intended uses. In order to achieve a durable, dense, well coloured surface, an application rate of 2 - 2.5 kg per sqm should be expected, subject to concrete and weather conditions. In cases of roadway or industrial application the rate should be increased to between 2.5 - 3kg per sqm and around 4kg per sqm for high pedestrian traffic areas.

PACK SIZES

Perma Colour colour hardener is packed in 20kg plastic lined bags.

USES

Perma Colour colour hardener is designed to be easily incorporated into the surface of freshly poured concrete, where ever a hard durable abrasion resistant flooring or vehicular traffic surface is required, interior or exterior. Perma Colour colour hardener is designed for use in pattern stamped concrete, stencilcrete, artificial rocks, garden edging and basically any coloured concrete application.

COMPOSITION

Perma Colour colour hardeners are supplied in powder form, containing the purest specially graded silica sands and aggregates (for optimum surface hardness), portland cements and special chemical additives providing ease of use through surface conditioning and dispersing. Colouring is achieved by use of pigments complying to World Standards BS1014 and DIN 53237. These include synthetic iron oxides (limeproof for maximum resistance to uv light), chrome oxides and titanium dioxides.

ADVANTAGES

Perma Colour colour hardener is manufactured to strict tolerances, providing streak - free colour uniformity from phase to phase project to project.

Colour hardened concrete, due to its stronger dense surface, is longer wearing, easier to maintain and less susceptible to the extremes of weather.

Because Perma-Colour colour hardeners are concentrated at the surface, their colour is more intense than with integrally coloured concrete.

PROPERTIES

Indicative Compressive Strengths: 3 days - 45 m.p.a

7 days - 66 m.p.a

28 days - 77 m.p.a

Comprehensive test results conducted by the Government body at the Queensland University of Technology are available upon request.

CAUTIONS

Prolonged skin contact may cause drying and irritation. Take proper precautions by using adequate protective clothing, respiratory and eye protection.

WARRANTY

This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, we accept no liability for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application or ordinary wear and tear. Manufacturers and sellers obligations will be limited to refunding of the purchase price or portion of material proven to be defective.