



COLOUR HARDENER

Tech Data Sheet

Product Description

VIEIRA COLOUR HARDENER is a dry blend of pigments, cement, aggregates and admixtures for tinting and strengthening the surface of new concrete slabs. It is broadcast dry over the surface of fresh concrete after bull floating and worked into the surface for a permanent bond. VIEIRA COLOUR HARDENER can be used exterior or interior, and may be stamped, polished or textured using a finish broom. VIEIRA COLOUR HARDENER may also be used as a coloured parging mix.

Benefits

VIEIRA COLOUR HARDENER is made from dense aggregates and creates an abrasion resistant surface that has over twice the PSI surface strength of regular concrete. VIEIRA COLOUR HARDENERS are made using only UV-stable pigments that will not fade. Colours may be enhanced using an acrylic sealer..

Use

Pour concrete at 4" slump. Screed and bull float. Do not add water to the mix or colour variations can occur. Allow bleed water to dissipate. Broadcast VIEIRA COLOUR HARDENER at a rate of 40 lbs to 100 ft². Wait 5-10 mins for hardener to absorb moisture from slab and darken. Work hardener into surface thoroughly using wood or resin floats. Apply remaining desired amount of hardener for uniform coverage. Work in second application of colour using wood or resin floats and finish using desired technique. Do not add water to the surface as a finishing aid. To keep surface moist throughout pour, consider using an evaporation retarder. If stamping, use a release agent such as VIEIRA CONCRETE POWDERED RELEASE.

To use as parging mix, add 25% fine silica sand by weight and mix with water to desired consistency. Optional – add a retarder to improve working time, or add a bonding agent to improve adhesion.

Limitations

VIEIRA COLOUR HARDENER may only be broadcast onto freshly placed concrete that is still plastic.

Like other cementitious products, VIEIRA COLOUR HARDENER is vulnerable to chloride ion damage caused by road salt (sodium chloride) and other deicers containing calcium chloride, magnesium chloride and CMA. Surfaces that may be exposed to these substances should be sealed with a penetrating silane sealer.

Do not mix VIEIRA COLOUR HARDENER into ready mixed concrete.

Coverage Guidelines

On average, VIEIRA COLOUR HARDENER will cover 100 ft² when broadcast onto fresh concrete. Lighter colours will require slightly more product for colour consistency. Concrete poured with a high slump will require more colour hardener.

When used as a parging mix, 1 bag will cover approx. 25 ft² at 1/4" thickness.

Packaging

Packaged in 25kg (55lb) bags.

Warranty/Disclaimer

Because the conditions of use and application of our products are beyond control, Vieira Concrete Supply makes no warranty of fitness or merchantability for any particular purpose and expressly disclaims liability for incidental or consequential damages whether based on negligence or warranty. Buyer's sole remedy shall be the refund of Colour purchase price from point of purchase.

To obtain best results use low water to cement ratio (less than 4" slump). Higher water to cement ratio will result in "washed out" Colour. DO NOT vary water to cement ratio when using Colour. DO NOT use chloride admixtures. DO NOT add water to surface or tools while finishing. Always seal Coloured concrete surfaces. Colour selections on Vieira product literature approximate as closely as possible appearance of Colour when used on horizontal troweled and/or imprinted concrete. Variations can be expected due to job conditions, cement finishing techniques, use of sealers and slight raw material Colour drifts. Due to the natural source materials in cement and handcrafted nature of imprinted concrete, variations are acceptable and desirable.

Manufacturer

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