Technical Data - Colour Surface Hardener (CSH)

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PRODUCT DESCRIPTION

Colour Surface Hardener (CSH) is a pre-mixed, ready to use, colour hardener compromising of graded crystalline silica quartz aggregates, a blend of cements and a unique proprietary chemical admixture package.

PURPOSE

When applied to fresh wet concrete and imprinted with textured imprinting mats to authentically reproduce natural stone, slate, brick, tile or wood paving **CSH** forms a toughened, attractive and wear resistant surface that is slip and stain resistant.

SPECIAL PROPERTIES

- Imparts elastic properties to the concrete surface allowing deep texture and precise detail from all imprinting mats
- Special admixtures minimise risk of plastic shrinkage enhancing strength and appearance
- Ultra Violet (UVA) stable pigments conform to BS1014 guarantee colours will not fade as a result of direct sunlight
- Improved workability and low water demand create an exceptionally tough, durable surface.
- Available in 20 standard colours that are intercompatible and can be blended together to achieve special colours with confidence

APPLICATION INSTRUCTIONS

The concrete slab should be in accordance with the PICSPAVE specified concrete mix and finished in accordance with PICSPAVE typical specification number 102. When surface bleed water has evaporated, **CSH** is evenly applied by hand in 2 - 4 applications at a rate of 2.5 - 5kg m², depending on colour and intended use, care being taken not to cast **CSH** long distances or in strong wind. Immediately after each application has wetted, **CSH** must be worked into the surface using a magnesium float until the slab is uniform in colour and level. Final finishing to close pores and remove undulations prior to imprinting must be carried out with a steel trowel. Careful finishing of the slab edges and finishing of the construction joint where adjoining slabs are to be poured must be carried out prior to application of Release Agent (RA) and placing of PICSPAVE imprinting mats.

APPROXIMATE COVERAGE

2.5kg per m² – Light traffic
5.0kg per m² – Heavy traffic

HEALTH AND SAFETY

CSH is non-toxic and non-flammable. Avoid contact with skin and eyes. Flush the affected areas with water. Do not take internally. Refer to the Safety Data Sheet for further information.

PACKAGING

25kg bags.

STORAGE

12 months maximum when stored in cool dry conditions.

STRENGTH

72.5 MPa to BS1881 Parts 114, 116:1983.

SLIP RESISTANCE

SRV44 (Foot Traffic) to SRV65 (Vehicular traffic), TRL 1996.

SPECIFICATION CLAUSE

*"The slab shall be coloured and hardened and prepared for imprinting by the use of **CSH** which shall have been tested by an approved body and achieved a 72.5 MPa comprehensive strength to B.S.1881 Parts 114, 116:1983 and a TRL tested SRV of 44 to 65 in conformity with the UK Highways Authorities Tender Specification.*

The CSH shall have been produced in minimum 1500kg batches in accordance with an accredited BS5750 ISO9001 Quality Assurance System.

PICSPAVE RA shall be applied to the slab, which shall be imprinted by means of PICSPAVE imprinting mats. 72 hours after imprinting, the slab shall be washed off with water, Release Agent Wash & Acid Wash, Control joints cut by diamond blade and the slab sealed with PICS Acrylic Sealer. All the work shall be carried out in accordance with the manufacturer's current Technical Data Sheet, typical specification and instructions for use."

TECHNICAL SERVICES

For further information, call our technical dept on:

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WARRANTY

Pattern Imprinted Concrete Supplies Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and conditions of Sale, copies of which may be obtained on request. Whilst Pattern Imprinted Concrete Supplies Ltd endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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