

Technical Data – COLOUR SURFACE HARDENER

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PRODUCT DESCRIPTION

PICSPAVE Colour Surface Hardener (**CSH**) is a pre-mixed, ready to use, colour hardener comprising 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 **PICSPAVE 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 inter-compatible 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 one application (two equal applications when being used at 5kg/m²), care being taken not to cast **CSH** long distances or in strong wind. Immediately after wetting out, **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 and placing of **PICSPAVE** imprinting mats.

TECHNICAL & TEST DATA

Packaging:	25kg bags
Yield:	2.5kg per m ² – Light Traffic 5.0kg per m ² – Heavy Traffic
Strength:	72.5 MPa to BS1881 Parts 114,116:1983
Slip Resistance:	SRV44 (Foot Traffic) to SRV65 (Vehicular Traffic), TRL 1996
Storage:	12 months maximum when stored in cool, dry conditions.

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 compressive 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. 48 hours after imprinting, the slab shall be washed off with water and **PICSPAVE RAW**, control joints cut by diamond blade and the slab sealed with **PICSPAVE Acrylic Sealer**. All the work shall be carried out in accordance with the manufacturers current technical data sheet, typical specification and instructions for use”.*

HEALTH AND SAFETY

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

TECHNICAL SERVICES

For further information, call our Technical Dept on:-

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