

# COLOUR HARDENER

## PRODUCT SPECIFICATION SHEET

### DESCRIPTION

Colour Hardener is a blend of cement, finely graded aggregates and iron-oxide pigments. When applied to cast in place ready mix concrete provides coloration to the surface as well as added compressive strength to the surface, making it more abrasive and impact resistant.

This Colour Hardener is designed to work with imprinting tools to produce clear, sharp impressions that enhance the finished appearance of any new landscape. This high density, extra fine mix is created for long lasting protection from erosion and high traffic.

### USES

Colour Hardener is used for interior/exterior, driveways, patios, decks, and floor surfaces. It is used on cast in place ready mix concrete. It is designed to work with imprinting tools to produce clear, sharp impressions on the surface that enhance the finished appearance of any new landscape.

### USABILITY

The designated surface shall be monolithically coloured and hardened by dry-shake application of Flexstone Colour Hardener in any desired colour from our colour chart, manufactured and supplied by Flex Stone Inc. The rate of application should be 3.50 kg/m<sup>2</sup>. The quantity of colour hardener must conform to the designated area and specified application rate. All pigments included in the hardener shall conform to BS EN 128 78. The aggregate portion of the hardener shall have a minimum overall MoH hardness of 7. The hardener shall have been tested in accordance with BS 8204 in an approved accelerated wear machine and show a 24 fold improvement in abrasion resistance when compared to high quality, power trowelled concrete. The hardened surface shall achieve special category abrasion resistance as defined by BS 8204 with an average abrasion resistance of 0.015 mm. The hardener shall have been tested in accordance with BS5075(1) Appendix C for resistance to freezing and thawing and show a maximum rating of 2 (where 0 indicates no deterioration and 10 indicates deep deterioration).

The designated surface shall conform to the requirements of BS 2050:1978 for industrial antistatic floors and BS EN 100015: table 1, and provide for a minimum resistance of 800,000 ohms.

Material requiring site batching shall not be approved. The dry-shake hardener must be guaranteed by the manufacturer for a period of at least 15 years.

Flexstone Colour Hardener shall be applied in accordance with the manufacturer's current technical data sheet and with reference to the specific health & safety information sheet. The manufacturer shall be a BSI registered company with accreditation to BS EN ISO 9002.

The designated contractor will confirm to the consulting architect in writing that he has a successful track record for installing dry-shake hardeners in similar applications, and that he has received and read all the relevant manufacturer's literature on the particular products before commencing the project.

### LIMITED WARRANTY

Flexstone Inc. warrants to the purchaser of its products that such products are free from manufacturing defect. Flexstone Inc. obligation under this warranty is limited solely to the original purchaser and solely to replacement in kind of any Flexstone Inc. product which may prove defective in manufacture within three years from date of installation.

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