

# COLOUR HARDENER

## PRODUCT SPECIFICATION SHEET

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.

IN NO EVENT SHALL Flexstone Inc. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON Flexstone Inc. PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A Flexstone Inc. PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF Flexstone Inc. PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION, ABUSE OR MISUSE. Flexstone Inc. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIALS NOT SUPPLIED BY Flexstone Inc., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM Flexstone Inc. PRODUCTS CORP. SOLD ITS PRODUCT OR PRODUCTS.

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### DESCRIPTION

This product is used for interior/exterior, driveways, patios, decks, and floor surfaces. This product is a cement based mix containing custom blended mineral pigments and proprietary additives. This high density, extra fine mix is created for long lasting protection from erosion and high traffic.

Quartz	99%
Silica 14808- 60	60%
Nuisance Dusts (Cement)	30%
Iron Oxide Pigments	5% (optional)
Proprietary additives	5%

### TECHNICAL DATA

Cure Time	Compressive Strength
7 days	2,800 psi
28 days	→ 4,000 psi

### WEAR RESISTANCE FOR GRINDING

When applied 1 cm thick screed layer on concrete foundation. Consumption rate of Colour Hardener: about 4,0 kg/m<sup>2</sup> +/-10% on fresh grinded surface. The tested surfaces were treated according to SIST EN 13892 - 2 standards. Wear resistance was tested in compliance with the procedure SIST EN 13892 - 3 according to Böhme DIN 18560. Test results are indicated in Table below.

	Wear Resistance	Highest Value
Sample 1	4,1	4,5
Sample 2	4,5	
Sample 3	4,2	
Mean Value	4,4	