



## **HI TECH COLOUR HARDENER** **INSTRUCTION**

**WARNING** - Prolonged unprotected exposure may result in non-reversible Silicosis or lung Cancer. Use approved dust mask (respirator) to prevent dust inhalation, rubber gloves to protect skin, and safety eye goggles.

**DESCRIPTION AND BASIC USE** - *HI TECH Colour Hardener* is the ideal method for permanently colouring concrete flatwork. A blend of cement, light-fast pigments and premium aggregates, *HI TECH Colour Hardener* will produce a harder, denser concrete surface than untreated concrete. *HI TECH Colour Hardener* is especially well suited for use on driveways, sidewalks, swimming pool decks, tennis courts, patios and floors. *HI TECH Colour Hardener* is also well suited for use on concrete, which is to be stamped with either metal stamps, or texturing mats. When used in conjunction with *HI TECH Stencil*, or Release Agent and texturing mats, many beautiful unique effects can be created. *HI TECH Colour Hardener* is available in twenty standard colours. Custom colour matching services are available for a nominal charge. *HI TECH Colour Hardener* is packaged in convenient 20 kg moisture resistant bags.

**COVERAGE** - For most applications *HI TECH Colour Hardener* should be applied at the rate of 20 kg per 8-10 square meters. (depending on application method & weather conditions). Lighter pastel shades and areas subject to heavy traffic, may require 1-2 kgs per square metre extra.

**SUBGRADE** - The sub grade must be uniformly graded, compacted and moistened, but free of standing water.

**CONCRETE** - The concrete should be designed to meet the strength (20 - 25 Mpa) and finishing requirements of the project. All fine and course aggregates must be non-reactive and free of harmful material. Water in the concrete should be kept to the minimum compatible with concrete placement and finishing. The maximum recommended slump is 100mm. ***HI TECH Colour Hardener*** is compatible with water reducing, set retarding and air entraining concrete admixtures. Avoid using admixtures containing calcium chloride.

**APPLICATION** - Apply ***HI TECH Colour Hardener*** after the concrete has been placed, screeded, woodfloated and excess bleed-water has disappeared from the concrete surface. ***HI TECH Colour Hardener*** should be applied at the rate of 20 kg per 10 square meters in two applications. The first application requires 60% of the 20 kg bag. The second application 40% of the 20 kg bag should give complete and uniform coverage. Wood float the concrete surface after the first application, but do not trowel. After the second application of ***HI TECH Colour Hardener*** the concrete can be finished as specified. Maintain consistent finishing techniques and avoid hard trowelling for the most uniform colour results. Over-trowelling will dis-colour the concrete. Additional water should not be applied to the concrete surface during finishing. All water required will come from the concrete.

**CURING** - The use of clear, non-staining acrylic or wax curing compound or sealer is recommended. Do not cure with plastic sheeting, membrane paper or water misting. Avoid the use of sodium silicate type concrete hardeners.

**WARRANTY** - This product is not recommended for public use. Only licensed contractors experienced and trained in the use of these products intend it for use. It is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of this product: therefore, no warranty, expressed or implied, is or can be made either as to the affects or results of such use. In any case, the manufacturers obligations shall be limited to refunding the purchase price or replacing material proven defective.

***HI TECH STENCILCRETE PTY LTD***  
*6B Cassola Place, Penrith NSW 2750 Ph: 61247314862*  
*Email: [info@htech.com.au](mailto:info@htech.com.au) – Web: [www.htech.com.au](http://www.htech.com.au)*