



innovative surfaces

## TECHNICAL PRODUCT INFORMATION:

# COLOUR HARDENER

Ideal Work Colour Hardener

REF: TPI-CH101

**Ideal Work Colour Hardener is an engineered blend of silica sand, cements and pigments used to colour the surface of new concrete. When applied, a dense layer is formed, creating higher impact and abrasion resistance. Ideal Work Colour Hardener is available in 23 standard colours, custom colours and colour matching are available.**

### FEATURES

- **Streak Free, Non Fading**
- **Denser, More Durable Surface**
- **Improved Abrasion Resistance**
- **Can Be Antiqued or Acid Stained**
- **Light and Brighter Colour Applications**

**Product Description:** Ideal Work Colour Hardener is manufactured with the finest UV-resistance pigments, premium silica aggregates and cement that carry the CE mark.

**Uses:** Ideal Work Colour Hardener is applied to the surface during the placement of concrete flatwork. Many decorative and durable finishes can be achieved, troweled, bushed and imprinted using Ideal Work imprinting tools, creating the look of natural stones, tiles, bricks and even wood. Ideal Work Colour Hardener works with a wide combination of Ideal Work products to achieve many different finishes.

**Colours:** Ideal Work Colour Hardener is available in 23 standard colours. Custom colours and colour matching are available upon request. Refer to colour chart.

**Packaging:** Ideal Work Colour Hardener is packaged in convenient 25kg, moisture resistant buckets. This type of packaging makes storage and transportation quicker and cleaner with little or no damage to the product.

**Coverage:** Ideal Work Colour Hardener has an average coverage rate of 25kg per 8m<sup>2</sup> Or 3.1kg per 1m<sup>2</sup>. Lighter colours may need more material to cover the darker colour of the concrete.

These ratios are the minimum requirement for the colour hardener to increase impact and abrasion resistance. Heavy traffic or industrial areas should use a minimum of 25kg per 6.2m<sup>2</sup> Or 4kg per 1m<sup>2</sup>.

**Physical Properties:** Ideal Work Colour Hardener can be used in freeze thaw environments with the correctly specified concrete. Ideal Work Colour Hardener increases the impact and abrasion resistance up to 30% more than regular trowel finished concrete.

**Limitations:** Ideal Work Colour Hardener is only for use with freshly placed concrete during the plastic stages.

**Storage:** Ideal Work Colour Hardener should be kept in a safe place and the seal should not be broken until use. Shelf life is approximately 1 year.

**Caution:** Keep out of the reach of children. Before using or handling, read the Material Safety Data Sheet (MSDS). Avoid contact with eyes and skin. When working with any airborne dust and powders, solvents or spirit based products all personnel should wear OSHA-NIOSH approved respirators, gloves and eye protection along with all other relevant PPE equipment.

**Maintenance:** Ideal Work Colour Hardener surfaces should be sealed with one of Ideal Work specially formulated sealers. The sealed surface should be periodically inspected for areas that need to have a re-application of sealer for continuous protection. If the project is cleaned on a regular basis re-application of sealers can be several years apart.

**Warranty:** Ideal Work Colour Hardener is not intended for public use, it is intended for use by experienced and trained concrete contractors. When used to the manufacturers guidelines, you should expect a uniformed colour. Ideal Work has no control over the use of materials in the field. If there is a failure within our manufacturing tolerances, Ideal Work will only be responsible for the cost or the replacement of the materials proven to be defective. The end user shall be responsible for determining product suitable and assumes all risk and liability.

**Quality:** Ideal Work is ISO 9001:2000 therefore quality is of the utmost importance. Ideal Work products are tested at independent laboratories. This enables us to maintain our high quality standards that customers have come to expect from Ideal Work.

**Recommendations:** Ideal Work would suggest that a representative job site sample should be made for approval before any work takes place. There are many variables that can have an effect on the final colour, weather, cements type, admixtures, and finishing techniques. Colour charts are a guideline and will be different from the appearance of the finished project.

**Turn Over for More Detail**

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**More Technical Information:** Ideal Work Colour Hardeners are to be used to achieve stamped, textured and smooth finishes in conjunction with other Ideal Work products. Further information can be found in our Application Method Statements or you can call one of our technical representatives.

**Related Technical Product Information:**

Liquid Release Agent (**TPI-LRA101**)

Powder Release Agent (**TPI-PRA101**)

Ideal Work Sealers (**TPI-IWS101**)

Ideal Aquapel-S (**TPI-IA101**)

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