

Decomix COLOUR HARDENER

DESCRIPTION

- **Decomix** COLOUR HARDENER is a polymer modified cement-based mixture
- **Decomix** COLOUR HARDENER is suitable for decorative concrete applications such as: concrete surface hardener, Imprint or stamp concrete, spray-on concrete, stencil concrete, etc.
- **Decomix** COLOUR HARDENER applied best at a thickness between 3-5mm
- **Decomix** COLOUR HARDENER applied with dry shake method, increase surface strength and provide stable surface colour.
- **Decomix** COLOUR HARDENER will not display weakness such as herringbone cracking and drumminess unlike "sand and cement"

PACKAGING

- **Decomix** COLOUR HARDENER is supplied as a dry mix powder
- 25kg pail
- Pallet lots of 27 pails



COVERAGE

- A 25kg pail of **Decomix** COLOUR HARDENER will approximately cover 8 to 10 square meters at a thickness of 3-5mm

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APPLICATION

Concrete base application:

As soon as the concrete base has been levelled off and wood floated, wait for the excess moisture to settle. Remove all bleed water by sponge (DO NOT add additional cement/concrete to absorb this excess water). The surface should be wet, but not glistening with water. Apply the Colour Hardener powder by dry shake hand method, or use a plastic container drilled with 3mm holes for even dispersion, at the rate of about 4 to 5kg/m² by dusting directly onto surface and float to obtain an even colour. For best results apply in two operations; the first with about 40% of the Colour Hardener required and, once floated, the balance where necessary. Once the water from the screed has wet back into the final layer of Colour Hardener powder added to the surface, finish using a plastic float followed by a held steel trowel to a smooth finish. For power floating refer to your local technical consultant.

Screed base application

Screed should be moist, not wet. TEST: Take a fist full of material and close your fist tightly so as to “ball” it in the palm of your hand. When you open your hand the ball should hold its form. Furthermore, a light moisture residue should remain on your hand and should not be glistening wet. The next step is to mix PrimerCote mixed to a paintable slurry using a mixture consisting of 1 volume FlexBond and two volumes water. Apply the PrimerCote using a block brush and make sure that it is worked into the existing substrate. Whilst this is still wet place the screed material on top of it, then compact and level this material. The PrimerCote must not be allowed to dry before applying the screed material.

Imprinting

Dust **Decomix** Coloured Release Agent onto smooth finish being sure to cover the whole surface to prevent the mould from sticking. More than one colour can be used for different effects. Imprint as desired. Leave to harden for approximately 72 hours, clean off excess Coloured Release Agent by sweeping with a soft broom and then wash with a high-pressure hose.

Curing

Leave to air cure for 1 day after completion. Damp down with water twice daily for 7 days. This hardening period is to avoid premature drying of the concrete which will reduce the final strength. Allow to cure for a minimum of 14 days before sealing. For imprinted floors: After imprinting, leave to air cure for 3 days. Wash surface to remove excess Coloured Release Agent. Cure by wetting with clean water 3 times daily for 5 days. Leave to dry for a minimum of 7 days.

Sealing

The moisture in the floor must be less than 5% prior to sealing. Ensure that the surface is free of any form of laitance or dust etcetera before sealing with a suitable sealer fit for purpose in accordance with the manufacturer's instructions. Sealers are best applied to a cool surface in multiple thin coats until an even sheen is achieved. Allow sufficient drying time between coats

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TECHNICAL DATA

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| Type: | Cement based surface hardener |
| Colour: | Contact your nearest distributor for colour options |
| Working time after spreading: | 30 minutes |
| Initial set: | 1 hour |
| Light floor traffic after application: | 24 hours |
| Compressive strength: | (28 days) As per the screed applied to |
| Application temperature (ambient): | 6 to 25°C |
| Slab temperature: | 6 to 25°C |
| Min application thickness: | 2mm |
| Max application thickness: | 3mm |
| Density: | 1.5kg/litre |
| Protection barriers required: | Wind and sun barriers (no contact with product) |

ADVANTAGES

Used in conjunction with **Decomix** SuperScreed it can be used where there are height restrictions between 8mm and 15mm and still achieve good compressive strength and improved abrasive resistance. Thoroughly colours concrete to a depth of about 2 - 3mm.

No risk of colour being rubbed off or abraded. No need to repaint. Colours are light fast and alkali proof. It is also good for the imprinting of special and natural patterns.

Existing Surfaces

All surface beds should have a damp proof membrane Where Colour Hardener is to be applied into a screed that is to be bonded to a concrete slab, these substrates should be integrally sound (no cracking, no crumbling or friability, good compressive strength and good scuff resistance etc.) and of a quality and consistency suitable for application (good mechanical key and level).

Decomix cannot be held liable should the Colour Hardener application be compromised as a result of failure or de-bonding (adhesion failure) occurring between the substrate and newly applied screed due to deficiencies or lack of surface preparation. Application over moving joints or cracks can result in cracking and delaminating.

Manufacturer's Warranty

Decomix warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to **Decomix** shall be limited to replacement of the product ex-factory. **Decomix** makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.