

TECHNICAL DATA SHEET

- Exposed Aggregate
- Stencil Paving
- Stamp Impression
- Spray-on Paving
- Oxide Colours
- Sealers & Coatings

Milano Colour Hardener

Milano colour hardener is a selected blend of stone dust, cement and oxide designed specifically for colouring and hardening freshly laid concrete to provide an aesthetically pleasing and hardwearing surface.



FEATURES

- Increases the durability of the surface by up to 3 times when compared to plain or colour thru concrete.
- Available in a range of colours
- Multi-purpose - can be used as a stand-alone topping or in conjunction with stencil and slate impression concrete
- Easy to apply
- 100% Australian Made.

LIMITATIONS

- Application rate controls the strength and of the finished colour
- Applying too early (before the bleed water has disappeared), may weaken the surface and result in an uneven or patch appearance.
- One heavy application can result in a crusty finish and can lead to colour delamination.
- Over trowelling may cause cement slurry to rise to the surface resulting in discolouration.
- Under trowelling may weaken the compressive strength of the surface and greatly reduce the durability of the surface.

ESTIMATING

8-15m² per 20kg bag depending on colour. Lighter colours require more product per square meter.

APPLICATION INSTRUCTIONS

Milano colour hardener should be applied to the surface of freshly floated concrete as soon as the bleedwater has disappeared. If using a stencil pattern, this should be laid appropriately before applying the colour hardener.

The colour hardener should be cast in two separate casting operations. Apply 2/3's of the total volume of colour hardener required evenly over the surface of the concrete before completely and thoroughly trowelling into the concrete. It is important to ensure the colour hardener is thoroughly incorporated into the surface before applying the second layer.

Cast the remaining 1/3 of the total volume over the surface again to ensure complete incorporation, colour consistency and penetration.

A third coat may be required if colour consistency is not achieved.

Finish the concrete as desired or follow one of the suggested textures.

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SUGGESTED TEXTURES / FINISHES

STIPPLE / COVE FINISH - Using a stipple or cove trowel, move the stipple in a circular / swirling motion across the surface of the concrete to create a stippled texture on the concrete. Different sized stipples create different stipple textures and patterns.

STEEL TROWEL FINISH - Using a pointed steel trowel, trowel the surface smooth to remove tooling marks from the application of the colour hardener. Please note: smooth trowel finishes can become slippery when wet.

BROOM FINISH - Dragging a finish broom lightly across the surface of the concrete will create a textured surface which is less likely to become slippery when wet. Finish brooms are available with a range of fillaments to provide different textures.

CLEAN UP

Clean tools and application equipment with clean water.

PRECAUTIONS AND SAFETY DIRECTIONS

Milano colour hardener may cause irritation to eyes, skin and respiratory system. Ensure adequate PPE is worn including safety glasses, dust mask and gloves when applying colour hardener.

For further safety directions, see SDS documentation.

SEALING

Whilst Milano concrete hardener can be left as a finished surface, it is recommended that the surface be sealed with an acrylic sealer to protect from staining and fading under uv exposure. Allow the concrete to cure for 14 - 30 days before cleaning and sealing.

STORAGE & SHELF LIFE

Milano colour hardener is supplied in 20kg, plastic lined paper bags and unopened bags should be stored in a cool dry place.

Bags have a shelf life of 2 years from date of manufacture if kept in a dry and cool in the original packaging.

Milano products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

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P: 1300 ALLCON (255 266)
E: sales@allcongroup.com.au

www.allcongroup.com.au