

C.I.A Topcrete

July 2025

Description

Topcrete is a formulated decorative non-slip cement-based coating for existing concrete and bitumen surfaces.

The product is a formulated blend of polymer cement modifier and C.I.A blended, premixed colour hardeners. There are currently 36 colours available.

Recommended Uses

Topcrete provides a durable, long lasting decorative and non-slip texture finished. Designs, patterns and effects are only limited by imagination.

Preparation

Surface preparation is critical. The surface must be free of all contaminants such as oil, grease, mold, algae or loose particles. Oil and grease must be emulsified and removed. Cleaning with high pressure water initially, is highly recommended.

Examine the surface for consistency of colour and texture, holes, cracks and dusting. All these may affect your method of application and outcome.

Mask up to prevent overspray. (1-2 meter high is sufficient).

Moisture Check

Ensure the surface is completely dry and free of any contaminants (as mentioned above). Use moisture meter or rubber mats to indicate if there is any moisture left in the concrete.

Application

Topcrete can be applied by Squeegee, trowel or brush, but is best applied with a Topcrete applicator (Hopper Gun). Topcrete is enhanced and protected by the application of two C.I.A Ultra Sealer coats.

- Using a clean mixing container combine the polymer and water (check the ratios below).

- Gradually add the Topcrete while mixing continuously, blend into the water/polymer mix until you achieve a smooth, runny yogurt-like consistency.
- Spray the Topcrete coat evenly, from the same height, and from the same direction, keeping the spray vertical. Cover the area right across from side to side and back again. Do not spray in strips.
- Sweep the Topcrete to check if it brushes away like sand. If it doesn't apply the next coat. (If you have a sand consistency, the air pressure is too high)
- Spray next coat at 90° over the previous layer.
- Finish with 2 coats of Ultra Seal. (Refer to the drying time for instructions)

Ratio to cover 10m²:

- 2 liters of polymer
- 2 liters of water
- 1 20kg bag of Topcrete

If using a stencil refer to Product Information for stencil application.

Accurately place stencil pattern and locate with small pieces of blu-tac. Tile patterns may be created of desired size using a selected filament tape.

Clean up

With water whilst Topcrete is still soft or with C.I.A Solvent once set (avoid prolonged solvent contact with rubber 'O' rings and plastic components).

Drying

Removal of pattern is undertaken usually within 20-30 minutes of application, but may vary with conditions.

Once the pattern has been removed and the surface is sufficiently set, excess product (flakes from the pattern), must be removed. This is achieved with a broom and/or blower. Once the area is completely dry

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then apply the first coat of C.I.A Ultra Sealer. After 24 hours, apply a second coat of C.I.A Ultra Sealer. Avoid walking on the area for 24 hours, avoid vehicle traffic for 5 days.

Removal

Topcrete can only be removed by mechanical grinding.

Maintenance and Life Span

MAINTAINING YOUR "TOPCRETE" SURFACE

Avoid:

- Solvent based or chlorine-based cleaners
- Harsh detergents and waxes
- Oil or petroleum-based product spills
- Excessive leaf or organic litter (may stain)
- Driving on spilt abrasive materials
- Excessive dirt

Resealing Topcrete

If your "Topcrete" surface looks faded, patchy or dull when dry but appears ok when wet – it is time to reseal. Just wet your "Topcrete" and if the surface darkens and appears inconsistent than it is due for resealing.

Always reseal with the appropriate C.I.A Concrete Sealer, and ensure your surface is properly prepared by pressure washing and leaving it to dry for 24 hours.

Under normal conditions resealing should be done every 18-24 months.

Safety Directions

Wear safety shoes, overalls, gloves, safety glasses, dust mask. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

First Aid

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical center.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs, give further water. Seek medical advice.

Notes to physician: Treat symptomatically. Can cause corneal burns.

