

FORTIS CONCRETE SHIELD™ CCA



Fortis Concrete Shield™ CCA is an organic acid, formulated for cleaning and etching concrete surfaces before applying Fortis coatings. For use when grinding or shot blasting is not possible, acid etching helps to open the concrete to allow adhesion of the coating. **Fortis Concrete Shield™ CCA** is an all-in-one cleaning and acid etching solution. The by-products are readily soluble and easily removed by washing down surfaces without leaving white salt deposits. It is environmentally friendly and safe to use around stainless steel. **Fortis Concrete Shield™ CCA** does not produce noxious fumes like Hydrochloric or Phosphoric acid etching agents.

Features and Benefits	<ul style="list-style-type: none"> • VOC free • Hydrochloric acid free • Environmentally safe • Biodegradable
Typical Applications	<ul style="list-style-type: none"> • Cleaning and etching concrete surfaces • Cleaning of concrete paving • Cleaning timber decking
Pack Size	5L, 20L
Shelf Life	36 months @ 25°C unopened
Safety	<ul style="list-style-type: none"> • Solution is acidic. Use organic/acid vapour respirators, especially in enclosed spaces. • Refer to Safety Data Sheet prior to use • Good industrial hygiene practices should be observed at all times • Appropriate PPE should be worn including impervious gloves & eye wear
Storage	Store in cool, dry conditions, out of direct sunlight and in a well-ventilated area. Do not store below 5°C or over 40°C
Surface Preparation	Use Fortis Concrete Shield™ CCA on concrete slabs at least 28 days old and when mechanical preparation is not possible. Refer also to Fortis Technical Note #4 - Surface Preparation.
Application	<p>Cleaning Ground Concrete and Timber Decks Dilute 1 part Fortis Concrete Shield™ CCA with 10 parts water and wet the surface thoroughly using a suitable low-pressure spray pack. Work in with a brush or firm broom, maintaining wetness for at least 10 minutes. Do not let the CCA dry out. Remove residue with high pressure water or by active brooming and rinse thoroughly.</p> <p>Etching New Concrete Dilute 2 parts Fortis Concrete Shield™ CCA with 1 part water and wet the surface thoroughly using a suitable low-pressure spray pack at a rate of ~2m² per litre. A visible reaction of gassing should be prominent across the surface. Use a stiff broom to work the solution into the surface. Do not let the surface become dry. Ensure solution remains continuously on the surfaces for at least 20 minutes (longer in cool temperatures), re-brooming as required to ensure all acid has been reacted with the concrete.</p> <p>If some areas show signs of contamination with no reaction noted, broom off dilute solution and then apply Fortis Concrete Shield™ CCA neat and work in.</p> <p>After etching is complete, brush heavily soiled slabs and pressure wash with clean water until loosened material and residue is removed. Remove excess water with wet vacuum or squeegee to and allow floor to thoroughly dry before coating.</p> <p>Tips for achieving a successfully acid-etched floor:</p> <ul style="list-style-type: none"> • Use a sprayer to provide good coverage. • Clean acid and salts off with clean water. • Allow the surface to fully dry before the application of any coatings.

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- No surface salts should remain. If so, wash further with water.

Etching Aged Concrete

Where oil / grease contamination is present, pre-clean with suitable industrial detergent or solvent degreaser. Using undiluted **Fortis Concrete Shield™ CCA**, proceed as for Etching New Concrete above. If contamination is not removed and no etching is achieved, contact Fortis for further recommendations.

Heavy Duty Cleaning

Dilute 1 part **Fortis Concrete Shield™ CCA** with 1 part warm water and wet the surface thoroughly using a suitable low-pressure spray pack. Work into surface by scrubbing and wipe/wash to remove residue. Rinse thoroughly.

Clean-Up

Clean tools with water

Limitations

Will not etch highly burnished floors sufficiently to allow deep priming of surface.

For further information, including Safety Data Sheets and Technical Bulletins on adhesive applications and surface preparation, refer to the Fortis website www.fortisadhesives.com.au.

Disclaimer - Fortis products should be used in accordance with the information contained herein. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained herein is to the best of our knowledge at the date of publication, Fortis makes no representation about the accuracy of the information. If you need clarification or more information, you should contact Fortis Adhesives & Coatings. Fortis products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Fortis accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Fortis Adhesives & Coatings products or reliance upon the information contained herein.

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Manufacturers of a range of Industrial Adhesives, Floor Coatings and Concrete Repair Systems. From Epoxy to Polyaspartic, Polyurethane to PVA, and with our Industry leading Technical Support, Fortis has you covered.