

FORTIS ACID STAIN



Fortis Acid Stain colours concrete to a beautiful variegated and mottled appearance. Staining imparts a luxurious richness that can't be achieved by any other colouring medium. Fortis Acid Stain is a staining agent that uses mineral salts to chemically react with the free lime at the surface of the slab to produce a permanent colour change. Rather than produce a solid, opaque effect like paint, Fortis Acid stain permeates the concrete to infuse it with luminous, translucent tones that vary depending on the surface they are applied to and the application techniques used. The results can mimic everything from polished marble to tanned leather, natural stone or even stained wood.

Features and Benefits	• Interior / Exterior • Excellent UV stability • Excellent wear resistance • Variegated colour • Reduces glare • Concentrate / water thinnable • Easily to apply • Zero VOC
Typical Applications	• Concrete floors • Concrete benchtops
Properties	• Penetrating chemical stain • Seamless • Coverage Rate: 5-7m²/L • Work time: 30-60 minutes • New Concrete: minimum 14 days old • Recoat: 4-6hrs • Dry time / Foot traffic: 24 hours • Seal: 24-48 hours
Colours	Black, Blue, Brown, Green, Red, Tan
Pack Size	1L, 5L, 15L
Shelf Life	24 months @ 25°C unopened
Safety	• 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 50°C
Surface Preparation	Fortis Acid Stain must be able to soak into the concrete to achieve full colour saturation. Prior to application ensure that the substrate is dry, clean, free of dirt, wax, oil, any loose, flaking material or other substances (coatings, curing membranes, sealers) that may inhibit the Acid Stain from soaking into the concrete. If required, use soap and low-pressure water for cleaning concrete surface. DO NOT acid etch or use hydrochloric acid or harsh cleaners to prepare the concrete. Concrete needs to be a minimum of 14 days old before applying Fortis Acid Stain. Mask off any areas not intended for staining as the acid stain can be tough and sometimes impossible to remove.
Dilution	ALWAYS perform a test patch with the acid stain to ensure you obtain the colour you are after.

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To produce various concentrations of colour, black, brown and red acid stains may be diluted by adding water, by wetting the concrete before the stain is applied or by spritzing the concrete after stain application with water from a spray bottle.

Dilution of Blue, Green or Tan acid stains is not recommended.

Application	When applying Fortis Acid Stain, always use all-plastic spray bottles. Staining concrete successfully requires a skilful hand and a discerning eye. Here are a few tips for getting the best results: • Don't expect colour consistency or perfection. Variations are inherent in the staining process. • When spraying, apply liberally with an even and continuous pattern over the concrete. Alternatively use a light random spray pattern to form cloud like formation. • Maintain a wet edge. • Avoid puddling of stain. • When applying to vertical surfaces start from the bottom and work your way up. • Avoid over application and drips. • Exterior applications should be completed in the shade, or in the early morning hours when the concrete is cool, allowing the stain to dry slowly. • A broomed effect may be achieved by brushing with a broom following spraying.
Sealing	While acid-stained concrete can be left un-sealed and remains UV stable, protection of your newly stained surface with a suitable sealer is recommended. Ensure concrete is completely dry prior to sealing, typically 24-48 hours after application of acid stain. For both internal and external areas, options include acrylic sealers (eg Fortis Acryla Seal or Fortis Acryla Solv) or a penetrating sealer (eg Fortis Natural Enhancer or Fortis Wet Look Enhancer). For internal areas, additional sealer options include polyurethanes (eg Fortis 519 or Fortis 526) or epoxy coatings (eg Fortis AquaCoat).
Clean-Up	Neutralise containers with water and a little sodium bicarbonate.
Limitations	Fortis Acid Stain may not be effective on many surfaces, including old, weathered or sealed concrete. In addition, some surfaces may have varying or little to no reaction as the density of the surface may prevent the product from penetrating and reacting. Fortis strongly recommends testing representative samples in different sections of the concrete to determine suitability of the stain and final appearance.

For further information, including Safety Data Sheets and Technical Bulletins, 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.