

# Technical Data Sheet

## FORTIS ACID STAIN

### FEATURES

- Excellent UV stability
- Interior / Exterior
- Excellent wear resistance
- Variegated colour
- Concentrated
- Water thinnable
- Reduces glare
- Easily coated
- Zero VOC

### TYPICAL APPLICATION

- Penetration chemical stain
- Seamless

### TECHNICAL DATA

Recoat / Dry: 4-6hrs

New Concrete: min 14 days old

Work time: 30-60 minutes

Coverage Rate: 5-7m<sup>2</sup>/litre

Foot traffic: 24 hours



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**FORTIS ACID STAIN** colors 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 color change. Rather than produce a solid, opaque effect like paint, stains permeate 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.

### SURFACE PREPARATION

Fortis Acid Stains must be able to soak into the concrete to achieve full colour saturation. They should not be applied to surfaces covered by anything that can inhibit stain penetration, such as dirt, grease, glues, coatings, curing membranes and sealers.

Prior to application ensure that the substrate is clean, dry and free of wax and oil and any loose, flaking material and substances that may inhibit the stain from soaking into the concrete.

When applying stains, always use all-plastic spray bottles. ALWAYS test your dilution concentrations to ensure you obtain the colour you're after.

DO NOT use hydrochloric acid to prepare the concrete. Concrete needs to be a minimum of 14 days old before applying Acid Stain

Mask off any areas not intended for staining. Acid stains can be tough and sometimes impossible to remove

### APPLICATION

Staining concrete successfully requires a skilful hand and a discerning eye. Here are a few tips for getting the best results:

To produce various concentrations of colour, you can dilute the stain by adding water, either by wetting the concrete before the stain is applied or by spritzing the concrete after stain application with water from a spray bottle.

Don't expect colour consistency or perfection. Variations are inherent in the staining process.

Protect your newly stained surface with a sealer. Be sure to select a product that's compatible with the stain you're using.

When spraying, apply liberally with an even and continuous pattern over the slab. Maintain a wet edge. Avoid puddling of stain. When applying to vertical surfaces start from the bottom and work your way up.

### Disclaimer

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One person should spray the stain just ahead of another person scrubbing the surface. Avoid over application and drips. Alternatively use a light random spray pattern to form cloud like formation. Exterior applications should be completed in the early morning hours when the concrete is cool and allows the stain to dry slowly.

### COLORS

Antique Red, Antique Blue, Antique Black, Antique Brown & Antique Tan.

### LIMITATIONS

Fortis Acid Stain is not effective on many surfaces. Older, weathered concrete 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.

### CLEAN UP

Neutralise containers with water and a little sodium bicarbonate.

### SAFETY

Refer to material safety data sheet.

### PACK SIZE

1L | 5L | 15L

### SHELF LIFE

24mths @ 25°C unopened

*For further information, refer to the Fortis website [www.fortisadhesives.com.au](http://www.fortisadhesives.com.au) It contains not only the Safety Data Sheets but also technical bulletins on coatings applications and surface preparation.\*For full information on range of colours available, please see Fortis website.*