



Product Specification

Product Name: **PORTER'S MINERAL SILICATE STAIN**

PRODUCT DESCRIPTION:

Porter's Mineral Silicate Stain is a highly durable coloured silicate dispersion stain for the decoration and protection of old and new fair-faced concrete.

The translucent nature of Porter's Mineral Silicate Stain colours, protects and tones down blemishes and defects, creating a more uniform finish, whilst allowing concrete to retain its natural appearance, character and surface textures.

When painted onto render, bagging, concrete, bricks, sandstone or other unpainted masonry surfaces, Mineral Silicate Stain soaks into the surface and chemically bonds with the substrate, forming a bond known as "silification".

Dries to a natural, mineral matt finish that is breathable and mildew resistant. Delivers a high resistance to weathering and protection from atmospheric pollutants.

LOCATION:

Exterior.

ENVIRONMENTAL INFORMATION:

Porter's Paints use only premium grade raw materials and wherever possible we buy from Australian suppliers. Our manufacturing processes are designed for maximum performance with minimum impact on the environment and user health.

This product contains the following VOC's (Volatile Organic Compounds contribute to atmospheric pollution).

Mid grey 63.7 g/l

Light grey 63.74 g/l

Black 62.4 g/l

White 63.65 g/l

Clear 66.02 g/l

SUGGESTED APPLICATIONS:

Cement render, bagged brickwork, concrete, masonry blocks, bricks, sandstone, off-form concrete, tilt up concrete panels and most absorbent building stones. All surfaces must be bare, they must not be sealed or hydrophobically

treated, and all bond breakers/release agents and surface contaminants removed.

All surfaces must be chemically neutral or alkaline, and old film forming paints must be removed.

COLOUR:

Porter's Mineral Silicate Stain is available in various colours, and can be diluted with Porter's Mineral Silicate Stain Clear to increase transparency. May be diluted in any ratio depending on the translucency required. Do not dilute with water or any other substances.

Standard colours are White, Light Grey, Mid Grey Black and Clear.

For any other colours we will custom colour match as a factory batch. Colour matching fees apply.

LIMITATIONS:

Porter's Mineral Silicate Stain is not suitable for use on glazed bricks, glazed tiles, timber, metal, and paper faced plasterboard. Mineral Stain will not bond to a synthetic or non masonry surface. Mineral Stain should not be applied onto any painted or sealed surface. Does not bond to acrylic materials.

Not suitable on floors.

Do not apply Porter's Mineral Silicate Stain over construction or expansion joints.

Application by spray gun is inadvisable because of the effects of alkaline overspray onto nearby glass, vehicle finishes etc. Ensure all glass, aluminium, metal finishes and vehicles are protected from

Porter's Mineral Silicate Stain, which, due to the silification bonding process, etches on and can prove extremely difficult to remove.

Do not apply in high humidity, below 10°C or above 30°C.

PREPARATION:

CURING OF NEW SUBSTRATES:

Newly completed walls should be left to cure before the application of Porter's Mineral Silicate Stain. Minimum drying/curing times:

Cement render	28 days
Pre-cast and in-situ concrete	28 days
Cement "bagged" surface	14 days
Bricks and mortar	28 days
Filled concrete blocks	28 days

PREPARING OFF-FORM CONCRETE AND TILT-UP SLAB CONSTRUCTION PRIOR TO PAINTING:

All traces of bond breakers/release agents must be completely removed. We recommend Dulux® Acratex® TiltWash™ cleaner. Remove any "glazed" or "polished" appearance by sanding or grinding the surface, or by treating with a citric acid solution.

Dilute 1kg of citric acid with 5 litres of water. Apply to the surface with a nylon brush then allow to stand for 15 minutes. Rinse with clean potable water and allow to dry.

To test the treated area for suitability to continue with painting: sprinkle surface with water and if water absorbs (noticeably leaving a dark stain) then surface is suitable for Mineral Silicate Stain

application. If water does not absorb, the surface is not suitable and the process will need to be repeated.

PATCHING AND REPAIRING CONCRETE:

Patch and repair damaged areas and holes left by scaffold tie ins or heavy aeration using a cementitious-based patching compound that matches as close as possible to the original surface in colour, texture and porosity.

In some instances where patching has been carried out without this consideration and does not match the original in colour and porosity, one coat of Porter's Mineral Silicate Stain Clear, prior to staining, can assist with achieving a more even colour result.

Porter's Mineral Silicate Stain is designed to penetrate the surface, so it cannot fill cracks, aeration or chips, or smooth out rough patching or distinctly different areas of surface texture.

APPLICATION:

On hot, dry or windy days whenever possible work in shaded areas, following the sun around the structure. Do not apply to sun-heated substrates.

Splashes onto glass, footpaths, timber etc should be removed *immediately* with water.

NEW/UNPAINTED MASONRY SUBSTRATES:

Substrate should be a clean well-held surface free from loose material, dirt, grease, oil, mould, mold release, curing compounds or any other contaminant that is likely to prevent adhesion and or penetration of the substrate. Loose and powdery surfaces must be made sound or stabilized.

Complete the painting of all adjacent surfaces and trim items prior to the application of Porter's Mineral Silicate Stain.

Mix thoroughly, prior to use, by manually shaking the container for approximately 30 seconds or by slow speed mixer. Mineral Silicate Stain, left undisturbed, settles into a gel formation to prevent settlement of colour pigments. This gel formation quickly and easily remixes into a liquid. Do not use high speed drill mixers as this may aerate the product.

TEST COLOUR AND DILUTION PRIOR TO COMMENCING WORK: Test on-site to define the colour and to select the degree of dilution required.

Apply 2 coats Porter's Mineral Silicate Stain at a spread rate of 8-10 m²/L (may vary upon surface roughness) to entire wall surface by brush, 10-13mm nap roller and fibre applicator. Care should be taken to ensure an even application rate, avoiding lap and roller marks. Touch dry 30 minutes. Allow 6 hours dry time between coats.

IMPORTANT NOTE:

Porter's Mineral Paint is a stain, and may be difficult to touch up, particularly when diluted for low opacity. Overlapping of new over old increases opacity, creating distinct overlapping marks. Diligence and care should be taken when applying to avoid overlap.

COVERAGE RATES:

Coverage of Mineral Silicate Stain is highly dependent on substrate porosity.

Porter's Mineral Silicate Stain covers approximately 8-10 m² per litre, depending upon porosity, surface texture and wastage rates.

WASH UP:

Water.

PACKAGING:

Porter's Mineral Silicate Stain is available in 4L, 10L and 15L.

STORAGE:

Store in a cool dry area, protected from frost and direct sunlight.

PRECAUTIONS:

Keep out of reach of children. Avoid swallowing. Avoid eye contact. Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.

Avoid skin contact. If accidental contact occurs, rinse immediately with water.

For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service or on our website.

Check colour before use.

WARRANTY:

10 YEAR GUARANTEE: Porter's Mineral Silicate Stain is guaranteed against peeling, flaking and blistering on external applications for 10 years if applied according to the specified instructions. This guarantee applies to residential work only and does not cover paint failure caused by any breakdown of coatings applied previously or in the event of substrate failure. If the product does not perform as specified, we will replace the goods free of charge.

The warranty above applies for 10 years from the date of purchase. To make a claim under the warranty, please contact Porter's Paints using the details shown and provide details of your claim. You must show proof of purchase and bear all expenses incurred in making a claim. The benefits of this warranty are in addition to other rights and remedies under any applicable law.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

MANUFACTURER'S/DISTRIBUTOR'S DETAILS:

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