

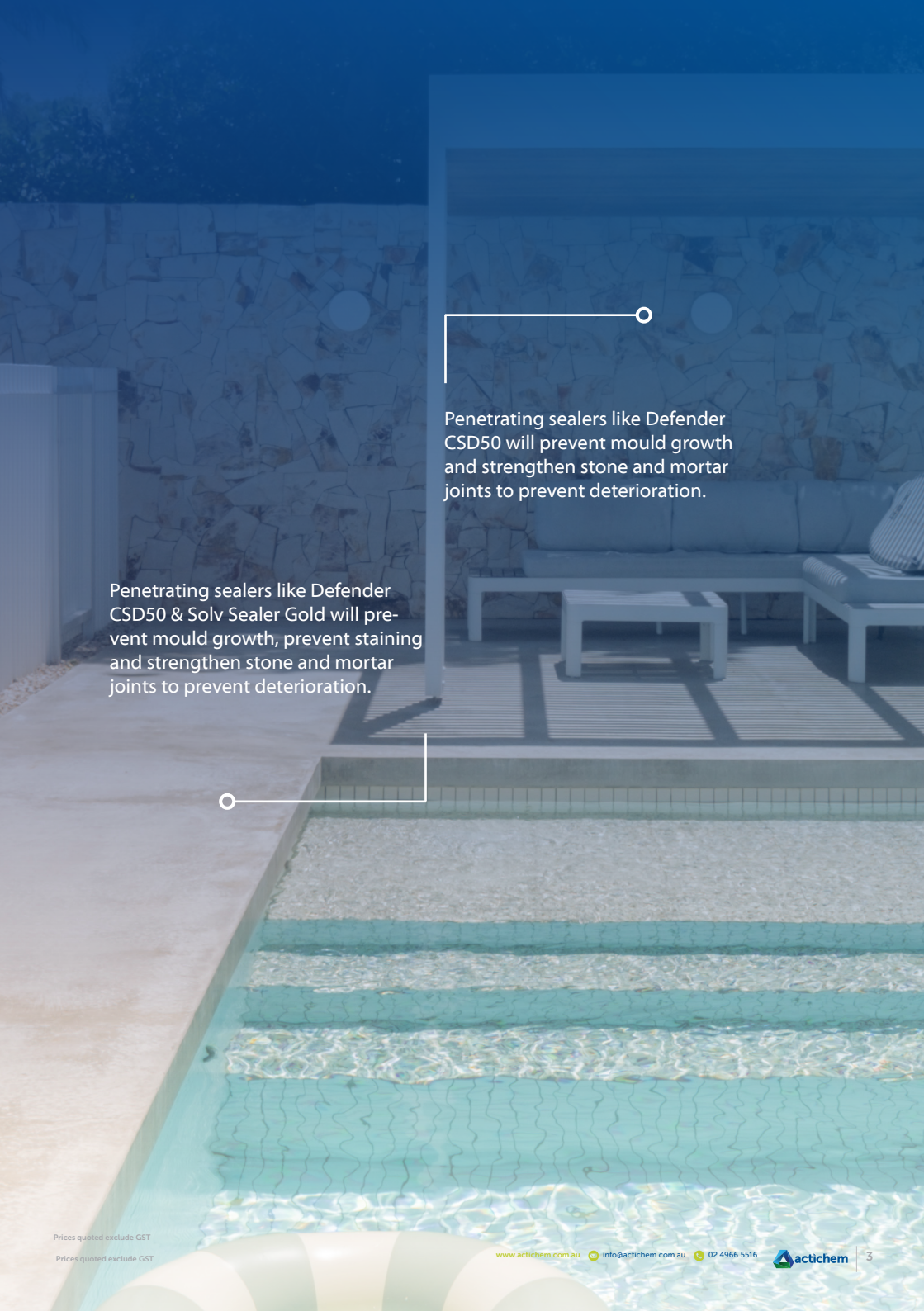
Protection & Maintenance

Handbook | V3 2024



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A photograph of a swimming pool with a stone wall in the background. The pool has a concrete deck and a tiled interior. A white lounge chair and a small table are on the deck. A white line with a circle at the end points from the text to the stone wall.

Penetrating sealers like Defender CSD50 & Solv Sealer Gold will prevent mould growth, prevent staining and strengthen stone and mortar joints to prevent deterioration.

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Your Surface Protection System

HOW PENETRATING SEALERS WORK

General recommendations for surfaces sealed with a penetrating sealer.

Your surfaces have been protected using world-class sealing technology. Tech that has been used on thousands of beautiful surfaces around the globe.

Entrance mats and regular sweeping or vacuuming minimize grit (sand particles) which will scratch many surfaces.

Wipe / mop up spills as soon as possible. Penetrating sealers are 'breathable' i.e. the pores of the surface remain open so moisture can escape by evaporation. They work by repelling water (hydrophobic) or oil (oleophobic) without blocking the pores. If left long enough spills can still penetrate and leave a stain.

Acid sensitive surfaces, including marble, limestone and travertine will be damaged on contact with acidic substances such as lemon juice, cola, vinegar and wine. These surface materials contain calcite, a form of calcium, which reacts and dissolves on contact with acids.

Penetrating sealers don't stop liquids from making physical contact with the surface and, therefore, cannot prevent acid etching. Clean up acidic spills on acid sensitive materials asap to minimise damage.

WHAT THEY DO PROTECT AGAINST

Penetrating sealers will effectively protect your stone or concrete surface from water ingress and stains caused by foods, beverages, plant matter, general grime, mould, efflorescence and pollution. Penetrating sealers hold stain agents close to the surface to allow successful removal.

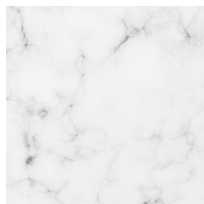
WHAT THEY DON'T PROTECT AGAINST

Penetrating sealers do not protect the stone or concrete surface from scratches and harsh acids. Even acidic foods and beverages like cola or red wine can penetrate through and leave etching on polished surfaces. However, normally the stain will be easily removed.

WHAT MAKES ACTICHEM PRODUCTS SPECIAL

Whilst the Actichem range receives excellent feedback, we are committed to a policy of constant improvement. Our laboratory rigidly maintains their mantra, that nothing goes out the laboratory door until it is as good as it possibly can be. On top of that, we rely heavily on independent testing and collaboration with global partners to keep our technology right up-to-date.

Stone Types



MARBLE

Elegant metamorphic rock with veined patterns.



TRAVERTINE

Porous limestone reminiscent of ancient Rome.



LIMESTONE

Versatile sedimentary rock, offering a smooth texture and earthy tones.



BLUESTONE

Turkish Bluestone, or Basalt, features dark grey-blue shades.

General Cleaning Guidelines

PREPARATION

The cleaning equipment mentioned in this document is a guideline. There are many different cleaning tools that will facilitate proper cleaning and maintenance. However, the equipment mentioned in this booklet has been thoroughly tested to ensure its suitability.

ROUTINE CLEANING

Routine cleaning should consist of regular (at least weekly in high traffic areas) mopping or light scrubbing with a pH neutral detergent. We recommend using a microfibre mop in conjunction with Actichem Responsibly Green Neutral Detergent. Using this product on a regular basis will safely remove soiling and help prevent the accumulation of surface contamination, without damaging the stone, grout or sealer. This product is a pH neutral formula and will not damage any water-cleanable surfaces.

CLEANING PROCEDURE & SPILL CLEAN UP

1. Dilute RG Neutral Detergent 1:100 and clean using microfibre mop.
2. Rinsing is not normally required, unless a stronger than 1:100 solution is used.
3. Remove spills using a towel, cloth or other absorbent material.
4. Remove the spill residue with a 1:100 solution of RG Neutral Detergent and warm water.
5. Stubborn stains can be removed with a 1:9 solution of RG Neutral Detergent. Stains may require the use of a 1:9 solution of Chlorosan and water.
6. Do not use acids, solvents or abrasive cleaning methods.
7. Do not use pressure cleaning methods.

DEEP CLEANING & PROBLEM SOLVING

Where heavy traffic is encountered a deep-clean of the floor surface, should be considered every 6 - 12 months. This deep clean will remove any build-up and ensure that proper slip-ratings are maintained. Deep cleans are best carried out by a professional cleaner. The process that the cleaner would use is as follows:

1. Dilute Tile & Grout Cleaner LF 1:40 and apply using a scrubber-dryer.
2. Scrub the surface well and allow 10 minutes activity time.
3. Rinse the surface using clean water and allow to dry.

For removal of tannin stains and mould, use a mild chlorine based product such as Mould Exterminator or Chlorosan from Actichem.

RE-APPLICATION OF SEALER

Depending on the product used, the Actichem penetrating sealers will provide ultimate protection for 5 to 15 years when applied correctly. However, wear, environment and invasive cleaning methods may reduce this timespan. It is highly recommended that sealer be re-applied every 3 - 7 years to ensure maximum protection is always maintained. Internal walling does not require re-sealing at any point.

SUPPLY REFERENCES

ACTICHEM - www.actichem.com.au

Internal



Stone

LIMESTONE

HONED MARBLE

SANDBLASTED MARBLE

BLUESTONE SAWN FINISH

SLATE

TRAVERTINE TUMBLED

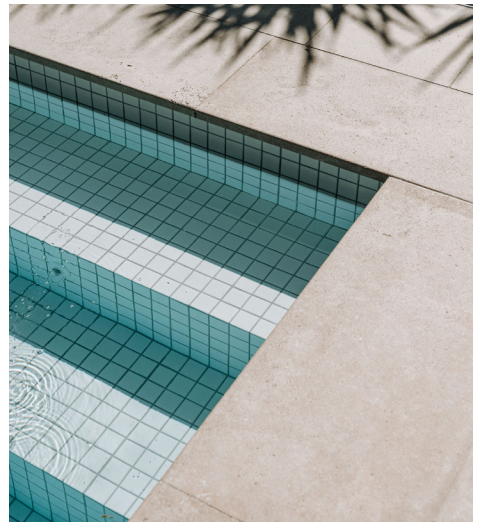
TRAVERTINE SAWN

External

Stone	Pool Coping	Pool Surrounds	
LIMESTONE	Defender CSD Pure & Stone Sealer Gold	Defender CSD Pure & Stone Sealer Gold	
HONED MARBLE	Actichem Preseal & Solv Sealer Gold	Actichem Preseal & Solv Sealer Gold	
SANDBLASTED MARBLE	Actichem Preseal & Solv Sealer Gold	Actichem Preseal & Solv Sealer Gold	
BLUESTONE SAWN FINISH	Actichem Preseal & Solv Sealer Gold	Stone Sealer Gold or Solv Sealer Gold	
SLATE	Solv Sealer Gold	Solv Sealer Gold	
TRAVERTINE TUMBLED	Solv Sealer Gold	Solv Sealer Gold	
TRAVERTINE SAWN	Solv Sealer Gold	Solv Sealer Gold	

	Kitchen Floors	Bathroom Floors & Walls	Main Living Areas
	Stone Sealer Gold	Actichem Preseal & Stone Sealer Gold	Stone Sealer Gold
	Solv Sealer Gold	Actichem Preseal & Stone Sealer Gold	Solv Sealer Gold
	Solv Sealer Gold	Actichem Preseal & Stone Sealer Gold	Solv Sealer Gold
	Stone Sealer Gold or Solv Sealer Gold	Actichem Preseal & Stone Sealer Gold	Stone Sealer Gold or Solv Sealer Gold
	Solv Sealer Gold	Solv Sealer Gold	Solv Sealer Gold
	Solv Sealer Gold	Solv Sealer Gold	Solv Sealer Gold
	Solv Sealer Gold	Solv Sealer Gold	Solv Sealer Gold

Alfresco/BBQ Areas	General Areas Around Leaves
Stone Sealer Gold	Stone Sealer Gold
Solv Sealer Gold	Solv Sealer Gold
Solv Sealer Gold	Solv Sealer Gold
Stone Sealer Gold or Solv Sealer Gold	Stone Sealer Gold or Solv Sealer Gold
Solv Sealer Gold	Solv Sealer Gold
Solv Sealer Gold	Solv Sealer Gold
Solv Sealer Gold	Solv Sealer Gold



Walling



Stone

AUSTRALIAN SA LIMESTONE

IMPORTED QUARTZ

IMPORTED SANDSTONE

IMPORTED DENSE LIMESTONE

IMPORTED TRAVERTINE

The Products

SOLV SEALER GOLD

Premium solvent based penetrating sealer for protecting natural stone and concrete from stains and weathering. Creates an easy-to-clean surface which does not change the appearance or slip rating of the surface.

Ideal for: All natural stone and concrete applications.

STONE SEALER GOLD

Premium water based penetrating sealer for protecting natural stone and concrete from stains and weathering. Creates an easy-to-clean surface which does not change the appearance or slip rating of the surface.

Ideal for: All natural stone and concrete applications. Very effective on Limestone.

DEFENDER SV/WB

Solvent based sealer designed to provide water repellent properties to natural stone, masonry and concrete.

Provides outstanding protection against mould growth and weathering.



	Internal Walling	External Walling	External near Coastal/ Salt Water Attack
	Defender WB	Defender WB	Defender WB
	Defender SV	Defender SV	Defender SV
	Defender WB	Defender WB	Defender CSD50
	Defender WB	Defender WB	Defender CSD50
	Defender SV	Defender SV	Defender SV

DEFENDER CSD50/PURE

Penetrating sealer which strengthens and consolidates natural stone and concrete surfaces, as well as providing excellent water repellent properties. Particularly suited to Sandstone, limestone & concrete.

Ideal for: All natural stone and concrete applications. Very effective on Limestone.

Notes: Combinations of Defender CSD50/ Pure and Solv Sealer Gold.



PRESEAL

Designed to provide premium protection to natural stone during fabrication, transport and installation. Prevents moisture ingress and picture framing as well as providing easy grout smear clean-up.

Ideal for: All natural stone and concrete applications. Very effective on Limestone.

Notes: Combinations of Defender CSD50/ Pure and Solv Sealer Gold.



Surface Specific Notes

POOL SURROUNDS

Stains include salt deposits, leaf stains, food and beverage spills, mould, sunscreen and cosmetics. Spraying down the tiles after pool use will help reduce the likelihood of salt build-up etc. Brush leaves and branches away from stone surfaces regularly.

Protection Notes

Dependant on what stone is used, your applicator may recommend sealing the pool surround with Defender CSD50/Pure as well as Solv Sealer Gold. This is recommended for stone that is susceptible to salt attack.

EXTERNAL PAVING

Stains include mould, leaf stains, bird droppings, food and beverage stains, organic grime and mud. For stubborn mould growth, Mould Exterminator can be used.

Protection Notes

Consider using Defender SV/WB or Defender CSD50 for Sandstone & Limestone.

EXTERNAL WALLING

Stains include mould, pollution, spider webs, plant and organic stains. Insects can leave unsightly stains on external walling. Be sure to regularly brush away cobwebs and spray the wall down with clean water.

Protection Notes

Consider using Defender SV/WB or Defender CSD50 for Sandstone & Limestone. Defender CSD50 is also excellent for strengthening mortar joints.

INTERNAL WALLING

Spiders and other insects can leave unsightly stains on internal walling. Be sure to regularly brush away cobwebs and dust.

Protection Notes

Consider using Defender SV/WB or Defender CSD50 for Sandstone & Limestone. Defender CSD50 is also excellent for strengthening mortar joints to avoid dusting over time.

INTERNAL WALLING

Spiders and other insects can leave unsightly stains on internal walling. Be sure to regularly brush away cobwebs and dust.

Protection Notes

Consider using Defender SV/WB or Defender CSD50 for Sandstone & Limestone. Defender CSD50 is also excellent for strengthening mortar joints to avoid dusting over time.

BENCHTOPS

Stains include food and beverages, general grime, cosmetics. Follow standard cleaning practices. Be sure to remove/clean up spills quickly.

Protection Notes

Marble responds well to 3 applications of Solv Sealer Gold. Denser substrates such as granite are best sealed with 3-4 applications of Solv Sealer Pro.

BATHROOMS & LAUNDRIES

Note that soaps, shampoo, cosmetics and bathroom cleaning agents are often acidic in nature. Be sure to rinse these off stone surfaces in a timely manner to avoid stains and etching.

Protection Notes

Consider using Defender SV/WB or Defender CSD50. Solv Sealer Pro/Gold will also provide outstanding protection against body fats and oils and can be applied following a Defender sealer treatment.

INTERNAL FLOORING

Stains include food and beverages, general grime, cosmetics. Follow standard cleaning practices. Be sure to remove/clean up spills quickly.

Protection Notes

Consider using Solv Sealer Pro/Gold or Stone Sealer Pro/Gold depending on the stone type and desired outcome.



MADE IN AUSTRALIA

When you choose Australian made, you are making a choice for our future and yours. The Actichem products are manufactured in Newcastle NSW and have been perfectly designed to suit Australian conditions. Actichem are passionate supporters of our country, and our town. Working together we can keep making Australia one of the greatest places in the world to call home!



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