



CONCRETE
COLOUR
SYSTEMS

Better colours and coatings

Concrete and Stone Sealers

A complete range of high performance sealers



Protect and enhance your project with a CCS sealer

Why Seal?

- > Enhance the appearance of your project and ensure it looks fresh and attractive year round.
- > Protect surfaces from harsh weather conditions.
- > Assist in the prevention of dirt, grime, salt, oils, graffiti and other contaminants from penetrating and damaging surfaces.
- > Create a durable surface that is easy to maintain and keep clean.
- > Can assist in the prevention of build up of lime deposits and inhibit growth of mould and algae.

Why CCS Sealers?

CCS sealers are formulated with high quality resins designed to withstand the harshest of weather conditions and comply with ISO 9001. We also offer a selection of low VOC, environmentally friendly sealers.

CCS has a proven track record for durability and reliability that has been demonstrated over the past 20 years. Our reputation for quality and consistency is second to none and we offer comprehensive support and advice at every step of your concrete project.

Considerations

Choosing a sealer often involves prioritising various considerations. Refer to the table and appearance comparison chart on pages 6 and 7 to assist in your decision.

Aesthetics | **Odour** | **UV Stability** (interior or exterior)

Slip resistance | **Cost** | **Function** (application/use)

Construction Time | **Maintenance** (durability and recoating)

Penetrating Sealers

Penetrating sealers retain a natural looking finish whilst protecting surfaces from water and staining. These sealers penetrate deep into the surface and offer long lasting defence against the ingress of water borne pollutants and salts. They are also ideal for porous natural stone, concrete pavers and have minimal impact on the colour of decorative and full depth coloured concrete.

The penetrating sealers 'sink' into and cover the inside of the pores of the concrete.

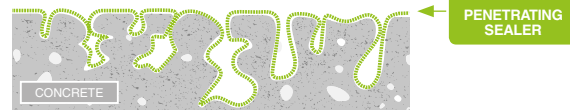


DIAGRAM DEPICTING CLOSE UP OF CONCRETE SURFACE USING A PENETRATING SEALER

Surface Coating Sealers

Surface coating or film forming sealers coat the entire surface and sometimes affect the colour. These sealers sit on the surface and can be re-applied as required. They offer excellent protection, are highly durable and easy to clean. The base surface colour is enhanced and various levels of sheen are available.

A film forming sealer covers the whole surface area.



DIAGRAM DEPICTING CLOSE UP OF CONCRETE SURFACE USING A FILM FORMING SEALER

Choosing the right sealer – sealer overview

Penetrating Sealers

Unlike CCS film forming sealers which coat the top of the surface, penetrating sealers soak deep into the surface to provide protection against the ingress of water borne pollutants and salts. CCS Streetscape, CCS Stain Block and CCS Stainblock Enricher also include fluoro-polymers that provide resistance to oil penetration and subsequent staining. For that reason CCS Streetscape and CCS Stain Block are widely used in public precincts and alfresco dining areas.

Stainblock Enricher enhances the appearance of the substrate by providing a slightly richer tone. All other CCS penetrating sealers preserve the natural appearance of concrete, porous natural stone and clay pavers.

CCS Stain Block for Optimum Penetration

int ex

The formulation of this premium sealer is specifically designed for dense surfaces as well as alfresco dining. It is also ideal for natural stone such as travertine, granite and sandstone.

CCS Stainblock Enricher

int ex

Provides the best of both worlds. It offers excellent resistance to oil and water, enhances substrate colour and retains the slip resistance of the original surface texture.



CCS Penetrating sealers retain a natural look while offering protection.

CCS Streetscape

int ex

CCS Streetscape is a low VOC, economical version of CCS Stain Block without colour enhancing properties. CCS Streetscape contains fluoro-polymers that resist oil penetration and subsequent staining and is ideal for public precincts and alfresco dining areas.

CCS Natural Seal Supreme H/V

int ex

This product is designed for both vertical and horizontal surfaces and protects reinforced concrete from salts and chlorides.



CCS Penetrating sealers repel water while allowing the surface to breathe.

Urethane Sealers

CCS urethane sealers offer tough, non yellowing, long lasting protection for both interior and exterior use. CCS Decrathane Gloss and CCS Decrathane Satin sealers are water based, low VOC and odour urethane sealers. CCS Armourthane and CCS Armourgard SP are solvent based sealers which provide a smooth hardwearing surface. All urethane sealers are supplied in an easy to use two-pack kit apart from CCS Armourgard SP which is a single pack product.

CCS Armourthane

int ext

A very tough, high solids solvent based polyurethane. It provides excellent wear and chemical resistance for a variety of applications. The addition of a CCS flattening agent can be used to reduce the sheen of the finish.

CCS Decrathane Gloss + CCS Decrathane Satin

int ext

A water based, two component version of CCS Armourthane, with a more subtle surface colour enhancement. This low VOC sealer provides protection from solvents, chemicals, oils and acids. Choose from a gloss or satin finish.

CCS Armourgard SP

int ext

A single component, solvent based sealer that provides a hardwearing and smooth protective surface. Its durable, flexible finish offers excellent chemical and stain resistance.

Epoxy Sealers

CCS epoxy sealers come in two-pack kits and are formulated specifically for interior use. Their low odour and VOC rating make them particularly suited for confined spaces. Extremely durable and cost effective, they provide excellent protection from chemicals, stains and wear and tear. Choose between a gloss and semi-gloss finish.

CCS Ultra Epoxy HB APAS approved product

int

A two component 100% solids, solvent free epoxy coating system designed for internal concrete floors. It can be built up to an unlimited thickness and provides excellent water, chemical and oil resistance. This gloss sealer comes in a range of standard colours, with custom colours available on request.

CCS Ultra Epoxy WB APAS approved product

int

A high performance, two component, water based, semi gloss epoxy coating system available in light grey and other colours on request. CCS Ultra Epoxy WB is designed for internal floor applications where chemical resistance is required.

CCS Ultra Epoxy WB Primer/Sealer

int

A high performance, two component, clear, water based epoxy coating system that may be tinted using CCS Universal Tints. CCS Ultra Epoxy WB Primer/Sealer is suited for both priming and sealing concrete and is also an effective dust proofer and provides excellent stain resistance to oils and other contaminants. Due to its ability to provide a moisture barrier it is ideal for application prior to the addition of subsequent coatings.

Acrylic Sealers

CCS Hardseal Advanced

ext

Ideal for coating and recoating plain, decorative and resurfaced concrete. CCS Hardseal Advanced contains a tough resin that provides excellent resistance to tyre marking and dirt.

CCS Hi-Build Enduro + CCS Hi-Build Enduro Matt

ext

An all purpose, hardwearing, economical sealer. Suitable for both residential and light commercial projects where a low cost, relatively simple surface protection is required. Choose between a matt or longer lasting gloss finish.

CCS Alfresco Seal WB

int ext

Designed to protect and enhance both internal and external surfaces, an application of two coats of CCS Alfresco Seal WB will provide a rich finish which is rarely found in a water based sealer. It may also be applied over the top of solvent based acrylic sealers provided the original base sealer is in good condition.

CCS Petrol Resistant Sealer

ext

A tough resin that does not soften when exposed to intermittent petrol spillage making it ideal for service stations, workshops and factory floors. Available in clear, grey and black, CCS Petrol Resistant Sealer is a minimum two coat system that provides excellent protection against staining and marking due to grease, oil and dirt.

Anti Graffiti

Graffiti applied to CCS sealed surfaces should be removed using CCS Graffiti Remover to ensure it retains its original appearance.

CCS Anti Graffiti Sealer

ext

This sealer offers long term protection to all concrete and masonry surfaces by providing a protective coating over the substrate. Graffiti can then be removed easily without damaging the original surface.

CCS Concrete Graffiti Guard

int ext

CCS Concrete Graffiti Guard provides excellent resistance to the staining of graffiti on walling or façades. Water based, low odour and purpose designed for decorative concrete, it provides a relatively natural looking coating which has a minimal impact on the raw aesthetic of concrete.

Polyaspartic Sealer

CCS Rapid Floor Polyaspartic Sealer

int ext

A coating where rapid return of floor to service is required.

This 85% solids, extremely tough, low odour product is purpose designed for coating commercial and industrial floors where return to service time is paramount. Tack free within 45 minutes of application (depending on climatic conditions), this sealer can withstand light pedestrian use within hours. The floor can be returned to full service by the next day.

Surface Hardener

CCS Densifier

int ext

A penetrating hardener, densifier and dust proofer designed to increase abrasion resistance and reduce surface absorption of liquids. CCS Densifier has a low sheen, natural appearance.

CCS sealer appearance comparison



No sealer applied



CCS Stain Block



CCS Stainblock Enricher



CCS Streetscape Sealer WB



CCS Natural Supreme H/V



CCS Armourthane



CCS Armourthane Universal Flattening Agent



CCS Decrathane Gloss



CCS Decrathane Satin



CCS Armourgard SP



CCS Ultra Epoxy Sealer WB Primer/Sealer



CCS Hardseal Advanced



CCS Hi-Build Enduro Matt



CCS Hi-Build Enduro



CCS Alfresco WB



CCS Concrete Graffiti Guard



CCS Rapid Floor Polyaspartic Sealer



CCS Densifier



These examples show the same coloured concrete before (far left) and after treatment with CCS sealers.

P Penetrating sealers **C** Surface coating sealers

Which CCS Sealer? Compare main sealer features

Sealer	Colour	Base	Finish	Internal/ External	UV Stable	VOC	APAS approved	Aroma	Durability*	Price Range^
PENETRATING SEALERS										
CCS Stain Block		Solvent	Natural	Int / Ext	✓			Moderate	••••	••••
CCS Stain Block Enricher		Water	Matt	Int / Ext	✓	Low VOC		Low	••••	••••
CCS Streetscape		Water	Natural	Int / Ext	✓	Low VOC		Low	•••	•••
CCS Natural Seal Supreme H/V		Solvent	Natural	Int / Ext	✓			Moderate	••	••
URETHANES – SURFACE COATING SEALERS										
CCS Armourthane	Made to order	Solvent	Gloss/Satin°	Int / Ext	✓			Strong	•••	••••
CCS Decrathane Gloss	Made to order	Water	Gloss	Int / Ext	✓	Low VOC		Low	•••	•••
CCS Decrathane Satin	Made to order	Water	Satin	Int / Ext	✓	Low VOC		Low	•••	•••
CCS Armourgard SP	Made to order	Solvent	Gloss/Satin°	Int / Ext	✓			Strong	••••	••••
EPOXIES – SURFACE COATING SEALERS										
CCS Ultra Epoxy HB	Additional colours made to order	Resin	Gloss	Int	✗	No VOC	✓	Low	••••	•••
CCS Ultra Epoxy WB	Light Grey + made to order	Water	Semi Gloss	Int	✗	Low VOC	✓	Low	•••	•••
CCS Ultra Epoxy WB Primer/Sealer	Clear	Water	Gloss	Int	✗	Low VOC		Low	•••	••
ACRYLICS – SURFACE COATING SEALERS										
CCS Hardseal Advanced		Solvent	Gloss	Ext	✓			Strong	••	•
CCS Hi-Build Enduro Matt		Solvent	Matt	Ext	✓			Strong	••	••
CCS Hi-Build Enduro		Solvent	Gloss	Ext	✓			Strong	••	••
CCS Alfresco Seal		Water	Semi Gloss	Int / Ext	✓	Low VOC		Low	••	•••
CCS Petrol Resistant Sealer	Black, Shale Grey, Clear	Solvent	Semi Gloss	Int / Ext	✓			Strong	••	•••
ANTI GRAFFITI										
CCS Anti Graffiti	Made to order	Solvent	Gloss/Satin°	Int / Ext	✓			Strong	••••	•••

° Use Universal Flattening Agent to reduce sheen * Highest •••• ^ Highest ••••

Sealer	Colour	Base	Finish	Internal/ External	UV Stable	VOC	APAS approved	Aroma	Durability*	Price Range^
CCS Concrete Graffiti Guard	Made to order	Water	Matt	Int / Ext	✓	Low VOC		Low	•••	•••
POLYASPARTIC SEALER										
CCS Rapid Floor Polyaspartic	Universal Tint Range	Solvent	Gloss	Int / Ext	✓	Low VOC		Low	••••	••••
SURFACE HARDENER										
CCS Densifier		Water	Natural	Int / Ext	✓	Low VOC		Low	•••	•

° Use Universal Flattig Agent to reduce sheen * Highest •••• ^ Highest ••••

Slip Resistance

Many projects now require minimum slip resistance classifications to meet building and construction code requirements. AS 4586, HB 197 and HB 198 are the Australian Standards which provide slip resistance ratings for new pedestrian floor surface materials and coatings. CCS supply a range of anti-slip traction aid products that can be used in combination with CCS sealers and coatings for this purpose.

Numerous CCS sealers and coatings have been independently tested and based on those results we are able to provide assistance with technical information, specification and recommendations. For further information on slip resistance, please contact our helpline on phone 1800 077 744 or email helpline@concretecoloursystems.com.au.

Suggested specification

Apply CCS < name of sealer > penetrative sealer or CCS < name of sealer > surface coating sealer.

Sealers should be applied in accordance with the latest product technical data sheets. For more information regarding the placement of CCS sealers, please refer to our website www.concretecoloursystems.com.au.



Concrete Colour Systems is a Division of River Sands Pty Ltd

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