

Resene Uracryl GraffitiShield

waterborne anti-graffiti finish

Resene Uracryl GraffitiShield is a waterborne two pack clear anti-graffiti coating for a variety of substrates that develops early resistance to tagging with spray paint. Graffiti can be cleaned from a substrate protected with Resene Uracryl GraffitiShield using Resene Graffiti Cleaner.

exterior/interior

Typical uses

- Surfaces prone to graffiti attack

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

Physical properties

Vehicle type	Waterborne urethane reactive acrylic
Hardener	Polyisocyanate
Pigmentation	Nil
Solvent	Water/ester
Pot life	3 hours at 18°C (see limitations)
Mix ratio	4:1 (by volume)
Finish	Semi-gloss and gloss
Colour	Clear
Dry time (minimum)	Tack free: 2-3 hours at 18°C
Recoat time (minimum)	3 hours at 18°C. Maximum: 7 days at 18°C.
Primer required	Yes, dependent on substrate
Theoretical coverage	12 sq. metres per litre (35 microns DFT)
Recommended DFT	35 microns per coat
Usual no. of coats	2 (dependant upon substrate and porosity)
Chemical resistance	Very good (acid/alcohol)
Heat resistance	Very good
Solvent resistance	Excellent (see performance)
Toxicity	Hardener and mixed product contain small amounts of monomeric di-isocyanate
Thinning	Water. Do not thin with glycol containing thinners including Resene Hot Weather Additive.
Clean up	Clean up with warm water and detergent immediately after use. Application equipment will be irrevocably damaged if uncured product is not thoroughly removed (wet paint)
Pack size	1 and 4 litre composites
VOC	81 grams per litre when mixed (see Resene VOC Summary)

Performance

Performance and limitations

1. Spray paint graffiti can be removed from a substrate protected with Resene Uracryl GraffitiShield after 48 hours cure using Resene Graffiti Cleaner.
2. Enables use of high performance urethanes when spray application is difficult or undesirable.
3. Self-priming on cementitious and fibre cement panels (see Application).
4. Can be used as a graffiti clear for 100% acrylic based paints.

Limitations

1. Do not apply at temperatures below 10°C or above a relative humidity of 85%. These application requirements must also be met until the applied coating has achieved touch dry.
2. In early stages of curing, film may be susceptible to mechanical damage.
3. Not suitable as a graffiti clear for exterior steel, timbers or as an anti-graffiti clear over epoxy, alkyd or chlorinated rubber based paints subject to exterior exposure.
4. To prevent ghosting when removing marker pen, the applied coating must have cured for a minimum of four weeks.
5. Not recommended as a clear waterproofing system for concrete block and honed concrete block construction.

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Surface preparation

Cementitious substrates

Leave new concrete to cure for a minimum of 28 days before painting. Ensure surfaces are free of laitance, form release agents, curing agents, oil, grease and other penetrating contaminants. Apply Resene Solventborne Aquapel (see [Data Sheet D65S](#)) and allow to cure.

Fibre cement

Clean down to remove all dirt, dust and loose material. Ensure surface is free from oil, grease and mould.

Residues and dust from old paint systems containing lead or chromate may be dangerous to the health of the operator and the environment. Ensure approved procedures are put in place to safeguard against this.

Application

Mixing

Add total contents of hardener container to total contents of base. Mix until uniformly blended using a wide flat stirrer or power mixing. Back add the mixed material to the hardener container (approximately two thirds full) and hand mix or re-lid and shake for 1-2 minutes to incorporate any hardener that was not decanted in the first instance. Add this back to the previously mixed paint and re-mix until uniform. Allow the mixed material to stand for 10 minutes prior to using.

Application

Apply by roller (Resene Waterborne Clears sleeve), synthetic brush or spray. Seal cementitious substrates by applying a coat of Resene Uracryl GraffitiShield gloss thinned 20% with water and allow to cure, followed by one or two thinned additional coats as required. When rolling, work in a continuous direction and immediately lay-off with a 50% overlap, tip-off with a brush if bubbles persist. Avoid working back over areas that have begun to dry as this will lead to a patchy finish.

Thin only with water when applying under hot or windy conditions. Care is advised when applying thinned product as sag of the wet film may occur.

Semi-gloss clear systems for concrete/fibre cement: Apply Resene Uracryl GraffitiShield gloss as the sealer coat followed by a minimum of two coats of Resene Uracryl GraffitiShield semi-gloss.

Application over fresh waterborne acrylic coatings

Allow the new paint to cure for at least 48 hours then wash down with fresh water until foaming is not observed in the wash water. Allow the washed surfaces to dry before applying the graffiti clear system.

Application over aged/weathered waterborne acrylic coatings

Scrub down the painted areas using Resene Paint Prep and Housewash (see [Data Sheet D812](#)) then wash down with fresh water and allow the washed surfaces to dry before applying the graffiti clear system.

Consult Resene for advice on application of the anti-graffiti clear system to aged acrylic paint finishes showing signs of heavy chalking as re application of the acrylic base paint may be required prior to application of the Resene Uracryl GraffitiShield system.

Application of Resene Uracryl GraffitiShield to substrates painted with a non U.V. stable paint system is not recommended.

GASSING WILL OCCUR IF UNTHINNED PRODUCT IS APPLIED AT WET FILM THICKNESSES IN EXCESS OF 125 MICRONS. When applying thinned product maximum wet film thickness to avoid gassing is dependent upon amount of water added.

Do not use mixed product beyond the stated pot life for the given temperature.

Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period.

CAUTION

Do not tightly re seal quantities of leftover mixed product, as the mixed product generates carbon dioxide gas, which can cause the lid of a tightly sealed can to pop with force. Leave the mixed material in a safe place for at least 48 hours for outgassing to be completed before sealing cans for disposal through a Resene PaintWise location or approved hazard waste site.

Safety precautions

1. Consult Safety Data Sheet for this product prior to use. Users should ensure that they are familiar with all aspects concerning safe application of this product. **IF IN DOUBT, DO NOT USE THIS PRODUCT**
2. The hardener is sensitive to moisture and should be kept tightly sealed when not in use.
3. The hardener contains a trace (less than 1%) of hexamethylene di-isocyanate, which is of course further diluted when blended with the base. When brushed or rolled, normal ventilation procedures used with solventborne systems will ensure that the level in the air never reaches a M.A.C. of 0.02 p.p.m. If adequate ventilation is not available, a respirator should be worn. When sprayed, mixed product may be harmful by inhalation. Wear suitable protective clothing, gloves, eye and face protection, including suitable breathing protection such as an air-supplied respirator or hood.
4. Do not breathe vapour. Avoid contact with skin and eyes. If eyes become contaminated flush with water for a minimum of 15 minutes. **SEEK MEDICAL AID IMMEDIATELY.** Wear suitable clothing, gloves and eye and face protection.

*Please ensure the current Data Sheet is consulted prior to specification or application of Resene products.
If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.*

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the paint the professionals use

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