

940



940 Ceramevic-R™

The ultimate in polyurethane protection for outstanding weather resistance, with excellent colour and gloss retention.

And when it comes time to re-coat, it is designed to make intercoat adhesion a breeze – just brush, roll or spray it on.

Key Product Features

- Recoatable system which ensures proper intercoat adhesion and reduces future recoat preparation.
- High abrasion, impact and mar resistance, ensuring long life.
- Easily cleaned with acid or alkaline agents without loss of gloss.
- Virtual non-yellowing interior and exterior durability shown by extensive testing.
- Colours available in gloss, satin and matt; clears available in gloss and satin.
- Virtually unlimited colour range.

Ideal Use

This system is ideally suited for building facades and walls. Excellent for new or refurbished metal railings, window frames, balconies and fences. Ceramevic-R™ is also used on plant equipment and transport where excellent presentation, chemical resistance and durable finishes are required.

Available Sizes

PART A (940A/941A) is available in **1L, 2L, 4L, 8L, and 16L** cans

PART B (940B) is available in **0.5L, 1L and 4L** sizes

Kits (A+B) in 2.5L, 5L, 10L and 20L are also available

MIXING RATIO (A:B) IS 4:1 – product must be applied strictly as specified.

Gloss Levels

940 Ceramevic-R™ is available in Full Gloss (95–100%), Satin (55–65%) and Matt (25–35%) finishes. For a gloss finish with greater cross-linking and resistance, refer to further information on 910 Graffiti Chek™ (D910).

Colour Information

940 Ceramevic-R™ is available in a range of virtually unlimited colours.

The extensive range is produced with high-grade lead-free pigments. Among the range many bright clean shades are available to meet the demands of architects, designers and colour stylists.

For higher opacity and protection, oranges, yellows and reds containing lead are also available in 941 for use where permissible – refer to the Uniform Paint Standard, Appendix 1, Schedule 3.

Coverage Rate

Approximately four square metres per mixed litre in practice. Variations to coverage and loss from overspray can occur due to many variables, including: shape and size of the substrate, gun type and settings, gloss level of the product and the colour selected.

Mixing

Stir separately Part “A” and Part “B” thoroughly for 2–3 minutes. Ensure only the quantity that can be applied within the normal pot life is mixed at any one time. Stir thoroughly with a flat blade stirrer (not round) before use.

MIX BY VOLUME 4 part of “A” to 1 part of “B”.

Thin Quantity

Thin up to 30%, depending on application technique
(see WORKING TEMPERATURE, below).

Brushing/Rolling: Thin up to 30% with 900S solvent

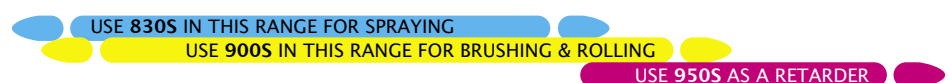
Spraying: Thin up to 30% with 830S solvent

Electrostatic: Thin up to 25% with 825S electrostatic solvent

Working Temperature



THINNER SELECTION



Protection

CORRECT USE PROTECTS AGAINST:

- Carbonation of concrete and resultant damage.
- Effects of graffiti, aggressive chemicals, pollution, salt air and acid rain.
- Influence of metabolic acids, saponification and alkaline substrates.
- Saponification and alkaline substrates.

Chemical Resistance

Alkali: Unaffected by splashes or spills

Acids: Resists splashes, spills and fumes

Salts: Resists splashes, spills and salt solutions

Oils & Fats: Unaffected by exposure to animal and vegetable oils, fats and grease. Resistant to spills of diesel fuel and lubrication oils

Water: Excellent resistance to both fresh and salt water

Not recommended for immersion conditions in any of the above.

Corrosion Testing

Cross-scribed steel panels coated in the specified system have been protected from rusting after 1,000 hours in a Salt Fog Cabinet (at 35°C and 100% humidity) according to ASTM B117.

Weather

Do not apply Ceramevic-R™ at excessively low (below 4°C) or high temperatures, or at extremely high humidity (above 85%).

Film Build

Dry Film Thickness (DFT) is recommended not to exceed 30–40µm per coat.

Pot Life Estimates

The estimated pot life at 20°C is 6 hours.

Higher temperatures will affect pot life. During the pot life the material viscosity will increase. Slight thinning towards the end of pot life may be required to maintain spraying viscosity.

Dry Times*

Dust Free: 10 minutes

Touch Dry: 30 minutes

Recoat: 16 hours

Full Cure: 7 days from final coat

*Stated times are based on normal conditions. All dry times are dependent upon working temperature and solvent selections.

Suggested Equipment

For superior finishing Ceramevic-R™-R can be factory-applied under controlled conditions. If however factory application is not practical, the complete system can be applied successfully on-site with either brush, roller or spray.

Brush/Roller: using a high quality brush or six to eight millimetre (6–8mm) nap sleeve.

Conventional Spray Gun: Use a premium two-pack gun such as the Anest Iwata W200.15 at 275–310kpa (40–45psi).

Preparation

Substrate	Surface Preparation	Typical System	DFT (µm)
Steel/Timber	Abrasive blast to AS1627 Class 2.5. Surface must be clean, dry and free from dust. Sand to a smooth finish.	1st coat – 950 primer 2nd coat – Ceramevic-R™ 3rd coat – Ceramevic-R™	40–100 35–40 35–40
Aluminium, Zinalume	Surface must be degreased, clean and dry.	1st coat – 950 primer 2nd coat – Ceramevic-R™ 3rd coat – Ceramevic-R™	10–15 35–40 35–40
MDF, Craftwood, Particle Board and Custom Wood	Surface must be clean, dry and free from dust. Sand to a smooth finish. Sand primer with 320 or 400 frecut, then dust off.	1st coat – 950 primer 2nd coat – Ceramevic-R™ 3rd coat – Ceramevic-R™	50–100 35–40 35–40
Concrete, cement render, masonry, compressed fibre sheet	New concrete should be cured for one month. Concrete should be free of additives, curing agents, oils, etc. Remove dust and cement latents by scrubbing, sweeping or high-pressure water blasting. Steel-trowelled concrete should be acid etched and neutralised. Repair all surface imperfections with recommended filler.	1st coat – 950 primer 2nd coat – Ceramevic-R™ 3rd coat – Ceramevic-R™	– 35–40 35–40
Cemboard, Gyprock, Villa Board	Surface must be clean, dry and free from dust. Fill any surface imperfections.	1st coat – 950 primer 2nd coat – Ceramevic-R™ 3rd coat – Ceramevic-R™	– 35–40 35–40

Application	<p>Brush/Roller: Apply Ceramevic-R™ as a conventional enamel using a high quality brush or six to eight millimetre (6–8mm) nap sleeve.</p> <p>Conventional Spray Gun: May be applied by suction, pressure or airless feed. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later. Under certain conditions a mist coat followed by a wet coat may be required. Avoid excessive film build-up.</p>
Sanding	Ceramevic-R™ is a recoatable system and does not require sanding for intercoat adhesion. Sand out any surface imperfections only, clean off dust and recoat.
Clean Up	Spraying equipment and mixing utensils should be thoroughly flushed clean before the coating cures with 800S or 825S solvent.
Colour Matching	<p>Because of the huge variations that occur in paint charts, samples, etc., it is your responsibility to ensure any colour we provide is correct or acceptable to you and your customer before you use it.</p> <p>The Evic Group will not accept liability for any colour once it has been applied. We recommend reading Evic's Guide to Colour for comprehensive details of our colour matching services and terms and conditions of sale.</p> <p>LEAD FREE COLOURS: The Australian Uniform Paint Standard requires that all paints used for any furniture application contain less than 0.1% lead by weight in the dry film. We encourage all applicators to adhere to this standard when using any Evic Group product.</p> <p>To meet this requirement, all 940 Ceramevic-R™ colours are generally manufactured with lead-free pigments. Colours which exhibit poor opacity with lead-free pigments will be created with leaded pigments. Refer to the Uniform Paint Standard regarding the use of paints containing lead.</p> <p>GLOSS LEVELS: Products are manufactured to conform to the gloss levels shown $\pm 5\%$. Levels are read using a 60° head according to AS1580 method 602.2.</p>
Shelf Life	Up to 12 months if stored in properly sealed containers. Part "B" is moisture sensitive and should be stored in full containers with minimal air pad.
Note to Users	<p>This is a specialised industrial coating and should only be applied by experienced and competent tradesmen and in accordance with the manufactures specification.</p> <p>Please read Material Safety Data Sheets M940.</p>
More Information	<p>Go to www.evic.com.au for product and material safety data on all Evic products. Information is also available in booklet and CD-ROM form, or by e-mail and fax transmission.</p> <p>For further enquiries, call the Evic Group on (freecall) 1800 761 761.</p>