

Resene Imperite I.F. 502

acrylic epoxy
semi-gloss clear

Resene Imperite I.F. 502 improves the cleanability, abrasion resistance and colour retention of Resene Imperite I.F. 503 Metallic Effects finishes (see [Data Sheet RA81](#)).

exterior/interior

Typical uses

- Clear semi-gloss topcoat for Resene Imperite Metallics

| | |
|------------------------------|---|
| Vehicle type | Epoxy reactive acrylic |
| Hardener | Epoxy co-polymer |
| Pigmentation | None |
| Solvent | Aromatic/esters |
| Pot life | 8 hours at 18°C |
| Mix ratio | 4:1 (by volume) |
| Finish | Semi-gloss |
| Colour | Clear |
| Dry time (minimum) | Tack free: 15 minutes at 18°C Touch dry: 30-60 minutes at 18°C |
| Recoat time (minimum) | 2 hours at 18°C |
| Primer required | Yes |
| Theoretical coverage | 9 sq. metres per litre (50 microns) |
| Recommended DFT | 50 microns per coat |
| Usual no. of coats | 1 (over pigmented basecoat systems) |
| Abrasion resistance | Very good |
| Chemical resistance | Acids – good Alkalis – suitable for splash areas only |
| Solvent resistance | Very good (when fully cured) |
| Durability | Very good |
| Thinning and clean up | Thin with Resene Thinner No.6 Clean up with Resene Thinner No.12 |
| Pack size | 4 litre |

Physical properties

Performance

Performance and limitations

1. Improves durability and aesthetic properties of Resene Imperite I.F. 503 Metallic Effects Finishes (see [Data Sheet RA81](#)).
2. Isocyanate free.
3. Exterior weathering properties similar to a high quality, pure acrylic semi-gloss topcoat.
4. Quick dry properties.

Limitations

1. Spray application only.
2. Full cure may take up to seven days depending upon environmental conditions. In early stages of curing, film may be susceptible to mechanical damage.
3. Not suitable for direct application to exterior timber structures.
4. Not recommended for immersion in fresh or saltwater or solvents.

Imperite I.F. 502 acrylic epoxy semi-gloss clear

Surface preparation

Ensure that the Resene Imperite I.F. 503 Metallic finish (see [Data Sheet RA81](#)) to be clear-coated is clean, dry and hard enough to recoat.

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

Stir base container using an explosion-proof mixer. Add total contents of the hardener container to the total contents of the base container. Power mix using an explosion-proof mixer and continue stirring until uniformly blended. Allow mixed product to stand for 15-20 minutes before using.

Thinning

Not normally required for airless spray application. If required thin judiciously to improve workability with Resene Thinner No.6. For pressure pot application thinning with up to 10% Resene Thinner No.6 may be required. Any addition of thinner should only be made after the two components are thoroughly mixed.

Application- Airless spray

Standard equipment with a **minimum** flow rate of 3 litres per minute, 3/8" hi-solid hose and 60 mesh filter and a 17-19 thou tip.

Application - Pressure pot

Apply using a quality pressure pot and gun with a hi-solid hose and a 1.7-2.2mm needle.

Apply the coating with a 65-70% overlap to achieve an even wet film thickness at the spreading rate required to achieve the specified dry film thickness.

Safety precautions

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.**

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.

In Australia
PO Box 785, Ashmore City, Queensland 4214
Call 1800 738 383, visit www.resene.com.au
or email advice@resene.com.au

Resene
the paint the professionals use

In New Zealand
PO Box 38242, Wellington Mail Centre, Lower Hutt 5045
Call 0800 RESENE (737 363), visit www.resene.co.nz
or email advice@resene.co.nz