

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
Hardener
Pigmentation
Solvent
Pot life
Mix ratio
Finish
Colour

Dry time (minimum)

Recoat time (minimum)

Primer required

Theoretical coverage

Recommended DFT

Usual no. of coats

Abrasion resistance

Chemical resistance

Solvent resistance

Durability

Thinning and clean up

Physical properties

Epoxy reactive acrylic
Epoxy co-polymer
None
Aromatic/esters
8 hours at 18°C
4:1 (by volume)
Semi-gloss
Clear
Tack free: 15 minutes at 18°C
Touch dry: 30-60 minutes at 18°C
2 hours at 18°C
Yes
9 sq. metres per litre (50 microns)
50 microns per coat
1 (over pigmented basecoat systems)
Very good
Acids – good
Alkalis – suitable for splash areas only
Very good (when fully cured)
Very good
Thin with Resene Thinner No.6
Clean up with Resene Thinner No.12

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.*

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