

# Resene

## Professional development programme™



Roofing



Resene

the paint the professionals use

# Resene Professional development programme



## New galvanised/Zincalume (up to six months old)

Wash thoroughly using Resene  
Roof Wash and Paint Cleaner  
then rinse thoroughly

Apply Resene Galvo-Prime  
or Resene Galvo One  
(2 coats for severe marine environment)

Alternatively, apply  
Resene Cool Primer to  
complete system

Wash between coats if  
salt is suspected.  
See notes

Apply 2 coats  
of Resene  
Hi-Glo

Alternatively  
apply 2 coats  
Resene Hi-Glo  
Cool Colour

# Resene Professional development programme

- Do you know how old the roof is?
- Close to the sea, say within 500 metres?
- Is access a problem?
- What is the floor area?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?

## New galvanised/Zincalume (up to six months old)

- New galvanised iron is much less common today than 10 years ago. In the roofing market it has been replaced by Zincalume, which as the name indicates is a blend or mixture of zinc (galvanising) and aluminium.
- During the manufacturing process (often called 'forming'), an oil or thin acrylic coating is applied to the surface of each sheet. This layer will remain on the surface until it either erodes away after exposure to the weather (this can take upwards of a year) or it is removed manually. This is why Resene Roof Wash and Paint Cleaner is recommended for new Zincalume or galvanised iron.



To work, the primer must be applied to the metal surface, as any unremoved form oil or acrylic layer will inevitably lead to the paint delaminating or falling off.

- The overlap areas of the roof should be primed top and bottom before a new roof is put up. These areas will always corrode first if this isn't done leading to premature rusting.
- Waterborne Resene Galvo-Prime may be used in place of solventborne Resene Galvo One. It is better for the environment and performs as well or better on new iron. However, the older the iron the more likely it is there will be corrosion of the zinc and aluminium. This is often called white rust. Resene Galvo One is much more effective over white rust than Resene Galvo-Prime.
- If two coats of primer are required it is fine to mix and match. So Resene Galvo-Prime or the Resene Cool Primer may be applied over Resene Galvo One.
- Any salt that is deposited on the roof between coats or after preparation must be rinsed away. In practice this means if the roof is near the sea and there has been an on shore breeze, hose the roof down and allow to dry before applying the next coat.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
- Don't forget to add on the costs of difficult access or travelling etc you may have to allow for.
- FACTORS are the time required for most painters for every square metre of work. Factor x Area gives you the hours you will use.
- Do a good job for a fair price - customers like to skite about it.



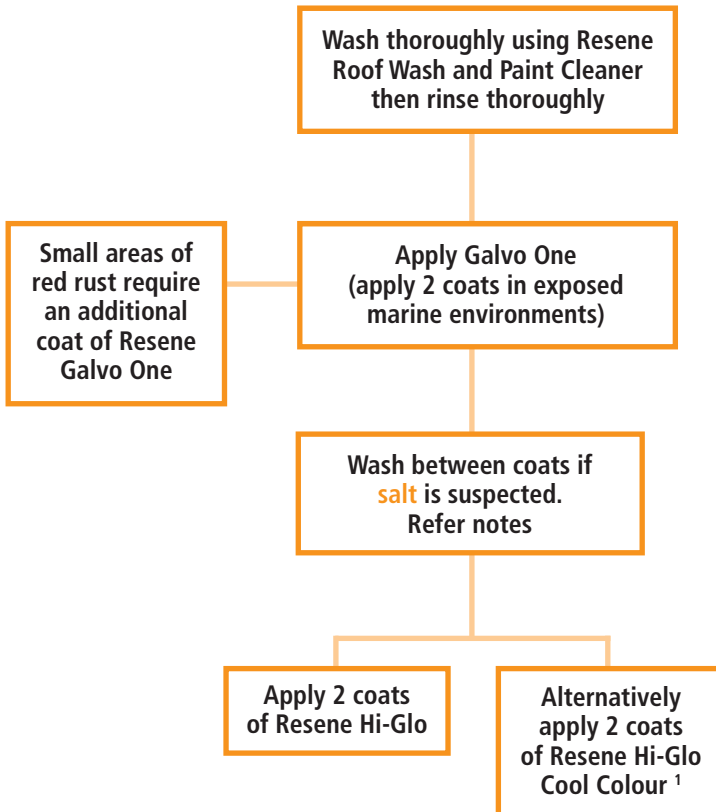
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## Weathered unpainted galvanised/Zincalume



<sup>1</sup> To optimise the benefits of the Resene Cool Colour topcoat use Resene Cool Primer.

# Resene Professional development programme

- Close to the sea, say within 500 metres?
- Is access a problem?
- What is the floor area?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?

## Weathered unpainted galvanised/Zincalume

- Just when a galvanised roof should be considered 'weathered' is a judgement call. Typically weathered galvanised iron or Zincalume will be dull, almost mottled in appearance. Almost certainly white rust will be starting to form.
- Resene Galvo One is much better at dealing with white rust than the waterborne Resene Galvo-Prime and Resene Cool Primer. So if the roof has been left unpainted for approximately 6 months, use Resene Galvo One. If it is close to the sea (1km) then a second coat is highly recommended.
- Old unpainted roofs will eventually start to rust as the protective galvanising layer erodes and the iron is exposed. If it is not too bad, say a 'dusting' of red rust in a few places, rather than a heavy red rust colour, then apply a second coat of Resene Galvo One on these areas. Alternatively Resene Galvo-Prime or Resene Cool Primer may be used as the second coat.
- Any salt that is deposited on the roof between coats or after preparation must be rinsed away. In practise this means if the roof is near the sea and there has been an on shore breeze, hose the roof down and allow to dry before applying the next coat.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
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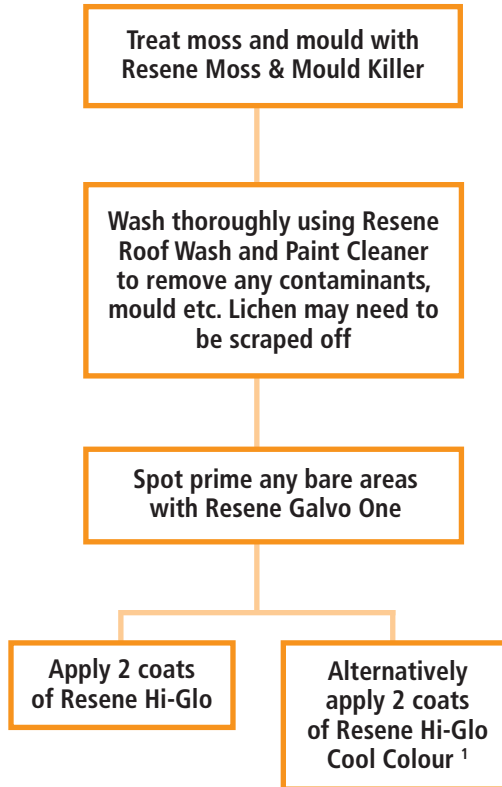
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# Resene Professional development programme



## Repainting roofs in good condition



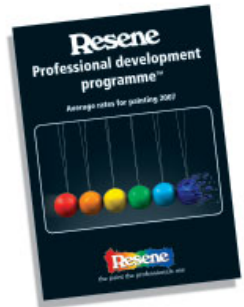
<sup>1</sup> To optimise the benefits of the Resene Cool Colour topcoat use Resene Cool Primer.

# Resene Professional development programme

- What sort of roof?
- Do you know how old the roof is?
- Close to the sea, say within 500 metres?
- Is access a problem?
- What is the floor area?
- Do you have any moss, mould or lichen on the roof?
- Do you have any rusted areas?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?

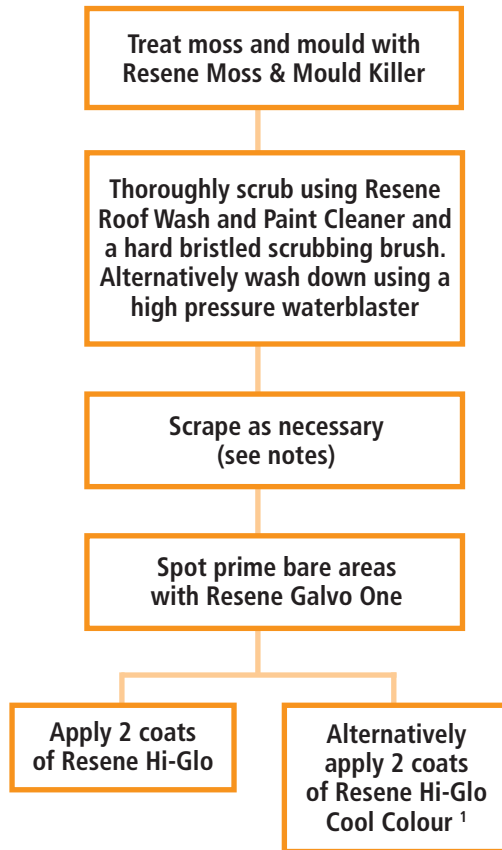
## Repainting roofs in good condition

- Existing roofs in good condition simply need thorough washing with Resene Roof Wash and Paint Cleaner to remove chalking, dirt and salt deposits, followed by a good rinse with clean water. Remember to disconnect spoutings if rainwater is collected.
- Consider using a Resene Cool Colour to minimise heat retention if selecting a dark colour.
- Resene Moss & Mould Killer will be needed if there is any moss and mould present, often where trees overhang roofs. Lichens will need to be scraped off.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
- Don't forget to add on the costs of difficult access or travelling etc you may have to allow for.
- FACTORS are the time required for most painters for every square metre of work.  $\text{Factor} \times \text{Area}$  gives you the hours you will use.
- Do a good job for a fair price - customers like to skite about it.





## Repainting roofs in poor condition



<sup>1</sup> To optimise the benefits of the Resene Cool Colour topcoat use Resene Cool Primer.



# Resene Professional development programme

- What sort of roof?
- Is your roof painted?
- How long ago?
- What sort of condition is it in, any flaking or rust present?
- Close to the sea, say within 500 metres?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?
- What is the floor area?
- Is access to the roof likely to be a problem?

## Repainting roofs in poor condition

- Often roofs with flaking paint will also be dirty and have some mould and lichen growth. Preparing them is likely to be time consuming and difficult to judge the level of preparation needed. A balance between removing the paint that is unsound and not damaging the roof must be found.

This is why Resene recommend scrubbing with Resene Roof Wash and Paint Cleaner and a hard bristled brush to waterblasting.

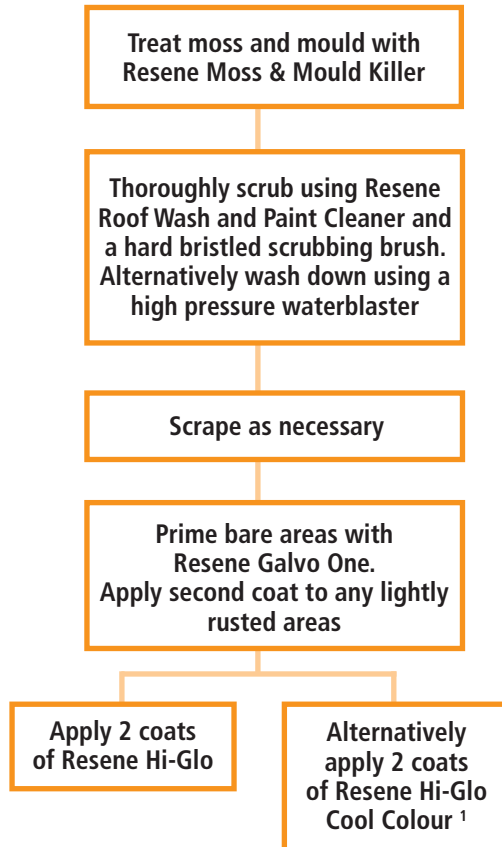
- Hard wire brushing or sanding should be confined to the red rusting areas only. This will avoid damaging the protective galvanised layer, which will simply lead to more rusting.
- The prepared area must be primed promptly. Do not leave overnight as dew causes the edges of the paint to lift and you will need to start over. Collect any removed paint and check that the gutters and downpipes are cleaned out.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
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# Resene Professional development programme



## Existing roof paint in poor condition (flaking paint and red rusting)



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# Resene Professional development programme

- What sort of roof?
- Is your roof painted?
- How long ago?
- What is the condition of the roof?
- Is there flaking paint and/or rust present?
- Close to the sea, say within 500 metres?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?
- What is the floor area?
- Is access to the roof likely to be a problem?



## Existing roof paint in poor condition (flaking paint and red rusting)

- Older roofs that have been neglected often have flaking paint and 'white' rust and often some 'red' rusted areas. If the roof is badly corroded replacement is often a better option, either the entire roof or in some cases individual sheets.
- While **Resene Rust-Arrest** primer is excellent for preparing rusted areas it does not adhere well to the adjacent galvanised surfaces. Resene Galvo One is an excellent compromise, applied in multiple coats to achieve a high film build on any lightly rusted areas.
- An alternative is to use Resene Alumastic as a spot primer. It comes in 1 litre composite packs for this purpose.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
- Don't forget to add on the costs of difficult access or travelling etc you may have to allow for.
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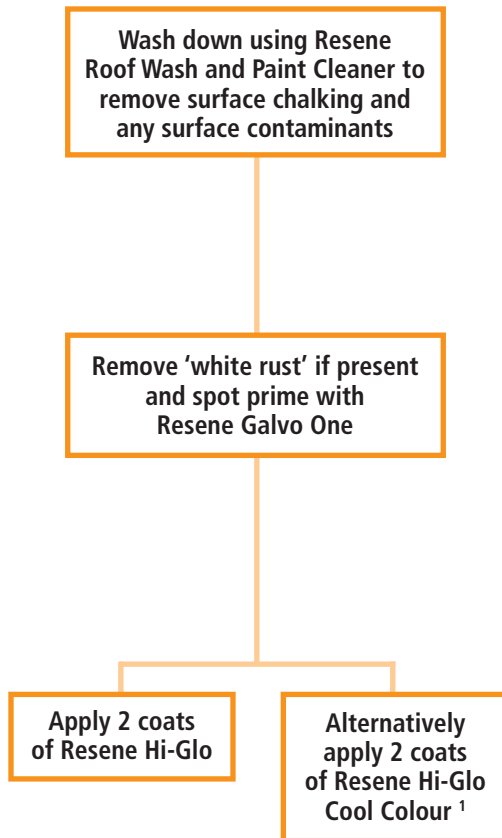
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# Resene Professional development programme



## Repainting **COLORSTEEL®/COLORBOND®**



<sup>1</sup> To optimise the benefits of the Resene Cool Colour topcoat use Resene Cool Primer.

# Resene Professional development programme

- What sort of roof do you have? Is it a Biga Rib or corrugated?
- Is it faded and chalking?
- Close to the sea, say within 500 metres?
- Do you know how old the roof is?
- Is there any 'white rust' present?
- What colour do you have in mind?
- Have you considered Resene Cool Colour paints?
- What is the floor area?





## Repainting COLORSTEEL®/COLORBOND®

- Older COLORSTEEL® and COLORBOND® roofs will be faded and chalked and in severe cases, white rust and corrosion will be evident. Use Resene Roof Wash and Paint Cleaner to prepare the surface, scrubbing any white rust with a nylon Scotchbrite scouring pad. Prime the affected areas with Resene Galvo One.
- Topcoat with Resene Hi-Glo. An adhesion primer is not usually required and Resene Hi-Glo (including Resene Hi-Glo Cool Colour) is our only recommendation for COLORSTEEL® and COLORBOND®.
- COLORBOND® is the Australian equivalent to COLORSTEEL®.
- Because we manufacture Resene Hi-Glo Roof, Resene Hi-Glo Cool Primer and topcoat with expensive adhesion promoters they have tremendous adhesion to both COLORSTEEL® and COLORBOND®.
- Crown Roof Paint along with most other products on the market is not able to be applied directly to COLORSTEEL®. Resene Hi-Glo will also stick to new COLORSTEEL®/COLORBOND®, provided it has had a couple of weeks' weathering.
- COLORSTEEL® and COLORBOND® profiles are usually either corrugated or Biga Rib.
- Refer to Resene if there is delamination present (as there is in the photo) as this could represent a COLORSTEEL® system failure.
- Refer to the Resene Average rates for painting™ for the costs per square metres needed for the materials and time.
- Don't forget to add on the costs of difficult access or travelling etc you may have to allow for.
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The following table may help you to determine how much paint you need.

Roof angle		Corrugated		Trough section	
	<b>Topcoat</b>	18.6	2 x 10 litres	25.4	3 x 10 litres
	<b>Primer</b>	9.3	1 x 10 litres	12.7	1 x 10 litre 1 x 4 litre
	<b>Topcoat</b>	19.6	2 x 10 litres	26.6	3 x 10 litre
	<b>Primer</b>	9.8	1 x 10 litres	13.3	1 x 10 litre 1 x 4 litre
	<b>Topcoat</b>	21.3	2 x 10 litres	28.9	3 x 10 litres
	<b>Primer</b>	10.6	1 x 10 litre	14.4	1 x 10 litres 1 x 4 litre
	<b>Topcoat</b>	24.1	2 x 10 litres 1 x 4 litre	32.7	3 x 10 litres 1 x 4 litres
	<b>Primer</b>	12	1 x 10 litre 1 x 4 litre	16.3	1 x 10 litres 2 x 4 litre

Volumes estimated at theoretical coverages for respective paints.

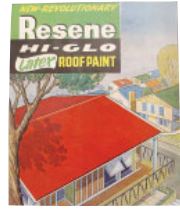
We have based the measurements on a home with a ground floor area of 100 square metres and have factored in the slope of the roof and the type of roofing material used, corrugated iron or trough section roofing.

Take the size of your house and multiply the litres by the same factor and your best guess on the angle of the roof. So if the house is 170m<sup>2</sup> simply multiply the volume we have calculated by 1.7.

## Resene Hi-Glo – the value proposition

Resene Hi-Glo has the deserved reputation of being an extremely durable roof paint because:

1. The resin is tough but flexible enough to cope with the expansion and contraction of the Iron.
2. It is the highest gloss of all the roof paints on the Australasian market. The higher the gloss the more resin there is and less inert fillers (which reduce the gloss and the cost, but at the expense of quality).
3. We use our Resene Total Colour System tinters. We know these tinters are significantly stronger and more U.V. resistant than others and that means we need less to achieve the colour and that in time means more durability.



## Colour

There are a number of issues that should be considered when selecting roof colours. They include:

1. The aesthetics, will the colour suit the dwelling?
2. How important is the colour to the overall colour scheme?  
Some truly stunning colour schemes that can really add value to a property are possible when the roof colour can be sympathetically incorporated in the overall colour scheme.
3. Balance, some roofs dominate the building and too strong a colour will only accentuate this, while the reverse may also be true.
4. U.V. resistance, our roof colours are chosen not only for their looks but for their U.V. resistance. Some colours (and pigments) resist U.V. light better and as roofs receive the full force of the sun much more so than the other claddings, colour selection is important.
5. Reflective value (or relative reflective value in the case of the Resene Cool Colours).
6. Environmental concerns, some councils are very prescriptive over exactly what colour can or cannot be used.

No matter how you approach the selection of a roof colour, the key is to recognise that it is (in most cases) a significant element of the house. It should be considered in the overall context of the colour scheme and be sympathetic to the environment, nearby buildings and structures.

The roofs of the homes below are good examples of the roof colour contributing in a positive way to the overall look.



# Painting checklist



## You will need:

- Extension pole
- Lint-free cloth
- Paintbrush
- Paint pot
- Putty and fillers
- Roller
- Roller tray
- Sandpaper
- Tac rag
- Turps

## You may need:

- Brush cleaner
- Dust mask
- Gloves
- Masking tape
- Paint stripper
- Painter's gloves
- Pole sander
- Putty knife
- Rags
- Resene Hot Weather Additive
- Resene Interior Paintwork Cleaner
- Resene Moss & Mould Killer
- Resene Paint Prep and Housewash
- Scraper
- Steel wool
- Window scraper

# Resene

the paint the professionals use

### In Australia:

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or email us at [advice@resene.co.nz](mailto:advice@resene.co.nz)

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