

RECOMMENDED COATING APPLICATION PROCEDURES FOR VARIOUS CEMENT ROOF TILE AND METAL SURFACES.

Tileguard® Primer (1st Coat)

To be used on cement roof tiles that still retain some of the original colour after cleaning.

Tile examples:- Monier, Boral, Clarke, some Atlas and any recoated tile.

PRIMER is also an excellent key coat for some metal surfaces before top coating.

Recommended Application Procedure For Cement Tiles:

Saturate with **Primer**, airless spray about 110 square metres per 20 litres in order to absorb into the tile, taking any free surface powder with it. Loose surface powder will create adhesion problems and this can cause peeling and blistering of the colour coats. Let **Primer** dry for 2 hours to through- dry. Some cement tile surfaces can be very non-porous. In this case, let **Primer** dry for 24 hours to “key” to the surface.

Recommended Application Procedure for Metal Surfaces

For Colorbond and rust free Gal. iron, saturate with **Primer**, about 120-140 square metres per 20 litres.

Let **PRIMER** dry for at least 24 hours to key to the surface before applying 1st coat of colour.

For rusty metal surfaces, spot etch- prime rust areas first then airless spray **Primer** and colour.

Tileguard® Maxi Prime (1st Coat)

To be used on cement roof tiles which are very powdery or the original colour is peeling and where maximum penetration and adhesion is required.

Tile examples:- as with **Primer**.

Maxi Prime also is an excellent key coat for some metal surfaces before top coating.

Recommended Application Procedure:

For Cement Tiles, Colorbond(™), and rust free Gal. iron, as with **Primer**.

Tileguard® SEALER (1st Coat)

To be used on moderately rough cement roof tiles that have no colour left after cleaning.

Tile examples:- Gregson, Standards, Bungalows, some Atlas tiles depending on surface roughness.

Recommended Application Procedure:

Airless spray **SEALER** at a rate of about 80 square metres per 20 litres to fill in the pit holes. This will smooth the tile surface allowing the colour coats maximum film build and gloss.

Tileguard® HIGH BUILD SEALER (1st or 2nd Coat)

To be used on very rough and porous cement roof tiles that have no colour after cleaning.

Tile Examples:- Standards, Bungalows, Headlocks etc.

Recommended Application Procedure:

Airless spray **HIGH BUILD SEALER** at a rate of about 70 square metres per 20 litres. This will fill in the very severe pit holes and again create a smooth surface for the colour coats.

It is advisable to use a slightly larger spray tip when applying **HIGH BUILD SEALER** to prevent tip damage from this highly filled product.

Note: Very rough cement roof tiles which still retain any colour after cleaning must be primed prior to the application of **HIGH BUILD SEALER** to ensure maximum adhesion.

Tileguard® Colour

To be used on most roofing surfaces which have previously been primed or sealed.

Recommended Application Procedure:

Airless spray **Tileguard®** colour at a rate of 90 square metres per 20 litres over primed or sealed cement tiles. This may vary slightly depending on the application conditions and the surface to be coated.

Over metal surfaces, application rate should be about 120 square metres per 20 litres, as there is no penetration into the surface.

Note: It is necessary to apply 2 coats of **Tileguard®** colour at the recommended application rate to ensure maximum gloss and durability. Heavier coats may reduce the long term durability.

Tileguard® Heatguard

To be used on most roofing surfaces which have been primed or sealed as required

Recommended Application Procedure:

Airless spray **Tileguard® Heatguard** at a rate of 90 square metres per 20 litres over primed or sealed cement tiles. This may vary slightly depending on the application conditions and the surface to be coated. Over metal surfaces, application rate should be about 120 square metres per 20 litres as there is no penetration into the surface.

Note: It is necessary to apply 2 coats of **Tileguard® Heatguard** at the recommended application rate to ensure maximum gloss and durability. Heavier coats may reduce the long term durability.

REGENT ULTRA®

To be used on most roofing surfaces which have been primed or sealed then coated with **Tileguard®** colour as 1st coat.

Recommended Application Procedure:

Airless spray at a rate of 100 square metres per 20 litres for cement tiles. This may vary slightly depending on the application conditions and the surface to be coated. Over metal surfaces, application rate should be about 120 square metres per 20 litres as there is no penetration into the surface.

NOTE: WE NO LONGER RECOMMEND OR WARRANTY ANY COATING FOR APPLICATION OVER TERRACOTTA ROOF TILES

The application conditions are far more critical than with cement roof tiles and present too high a risk of poor long term performance to be supported.

FOR BEST RESULTS WE SUGGEST THE FOLLOWING:

1. Leave 2 hours between coats. (Exception: Priming metal roofs and some non-porous tiles, leave 24 hours to 'key' for maximum adhesion).
2. Make sure the air temperature is within our recommended guidelines of 14- 32°C. This temperature range should allow good spraying conditions. However as a commonsense rule:
"If the roof is too hot to touch, it is too hot to paint".
If the surface temperature is too high, the coating will cook before it can start to form a film. This is particularly important with metal surfaces as the temperature rise is very fast and the film may blister. Low temperatures can also cause problems. If the surface temperature is too low, even if the coating seems dry, the temperature may be too low for complete film formation.
In both cases the durability will be greatly reduced.
3. Do not apply heavier coats than the recommended application rate as this may cause poor film formation and affect the adhesion, gloss and durability. Maximum dry film thickness should be no more than 0.2mm (200 micron), for a 3 coat system.
4. Preferably, do not apply more than 2 coats on the same day.
5. Do not apply coating if rain is likely within 4 hours of application.
6. If the tile is painted with a solvent based coating, it is advisable to re-paint with a solvent based coating to ensure maximum adhesion and prevent potential bubbling of the top coat. If a water based primer is preferred, use Maxi Prime and leave for 24 hours to "key" to the solvent based coating before top coating. If the paint is oil based, use an oil based coating system again to ensure maximum adhesion.

As a general rule it is best to coat solvent with solvent and oil with oil to maximise performance.

Important Note: Insulation products such as sarking can have a serious effect on durability due to reflected heat increasing the temperature of the roof surface from underneath and prematurely aging the roof coating. Roofs with sarking will therefore have a reduced warranty period.

The Manufacturer offers these recommendations in good faith on the basis that they are used as a guideline only.