

# Galvanized, Zinc & Metal Roofs

## Product Guideline



Nutech Paint recommends priming all Galvanized, Zinc plated and Steel substrates with Nutech Metal Primer prior to applying any Nutech Acrylic top coat system.

Nutech anti-corrosion Metal Primer protects the surface from corrosion and extends the service life of the substrate and the top coat system.

Nutech does not recommend applying Nutech acrylic roof paint directly on galvanized, zinc plated or steel.

Although top coats can be formulated with anti corrosion pigments and adhesion promoters for these surfaces, the overall exterior performance is compromised by these additions to the detriment of durability.

All Nutech top coats are formulated with durability as the most important consideration and this dictates the requirement for a purpose designed Anti Corrosion Metal Primer for galvanized and zinc plated steel.

On a metal roof, particularly a steep surface which can have up to 45° pitch, the surface oriented towards the sun is exposed to about twice as much radiant energy as a flat surface when measured over a over a whole year.

100% Acrylic roof coatings perform best potential for U.V. resistance and resistance to thermal hardening, which is particularly important on a surface that can reach up to 158°F (70°C).

This is the principal reason that all Nutech top coats are manufactured from premium quality 100% Acrylic resins.

Specification for Galvanized, Zinalume and Steel Roofs;

1. Treat any corrosion or damaged surface in accordance with Nutech Metal Roof Guidelines to establish a clean, sound and dry roof surface.
2. Apply one coat of Nutech Metal Primer applied at 6 square metres per litre (250 square feet per Gallon)
3. Apply two coats of Nutech Top Coat such as Nuflex, TileFlex 2000<sup>®</sup>, NXT Cool Zone<sup>®</sup> applied at 4 square metres per litre per coat (165 square feet per Gallon per coat).

### ***Application Warnings;***

Do not apply multiple coats on the same day particularly in clod wet weather or hot weather as damage to the coating may result.



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When applying Nutech full gloss top coat systems, any overspray or coating overlap can cause the appearance of lines or application banding due to glow level variations.

If the roof is highly visible, Nutech recommends using a Low Sheen Nutech coating which will eliminate any gloss banding. Both TileFlex 2000<sup>®</sup> and NXT Cool Zone<sup>®</sup> are available on order in a Low Sheen finish.

Nutech recommends reading all Product Fact Sheets, Application Guidelines and the relevant Nutech Material Safety Data Sheets before opening or using any Nutech roof coating.

### Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.



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USA Galvanised & Zinc Metal Roof Guideline GL034-V1-1209.doc

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