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Following rust conversion and primer, the acrylic Thermoshield adhesion is outstanding. All products contain phosphating action when drying. Thermoshield thermal ceramic coating creates a thick non-permeable membrane that acts to encase the converted metal eliminating any and all environmental exposure. Corrosion ultimately requires water and oxygen. Following permanent rust conversion the metal is sealed beneath the thick “blanket” of the Thermoshield ceramic coating eliminating water and oxygen exposure to the metal.

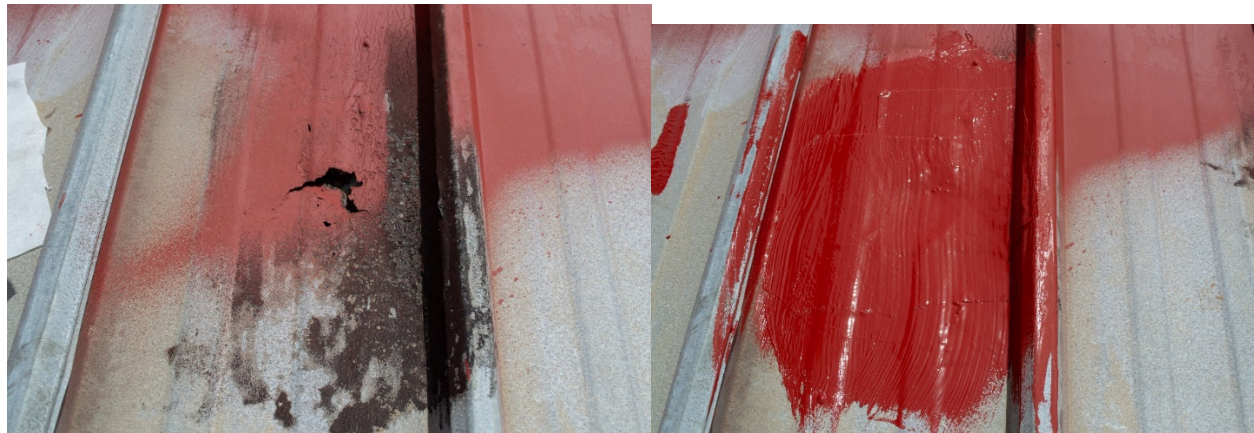
Below are photographs showing the roof condition prior to commencement of the works. After a thorough “blowing” of all loose debris on the entire roof we power washed to remove any heavy dirt and loose debris.



All corroded areas, which in this case was the entire roof area of 14,017 m² (inclusive of 18% profile [extended length]) were restored with the process of application of rust converter and inhibitor followed by 2 coats of Thermoshield @ 250 micron wet film thickness.

The photos below illustrate the treatment of damaged rusted areas on the roof where we have applied waterproof bandage followed by application of the rust inhibitor.

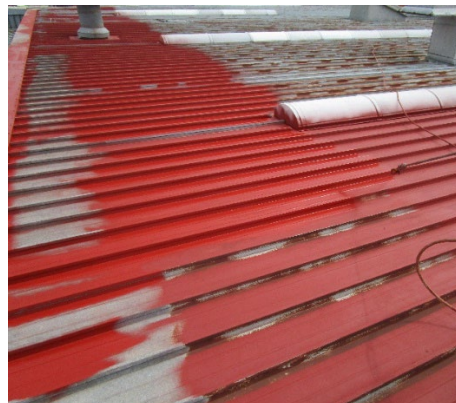




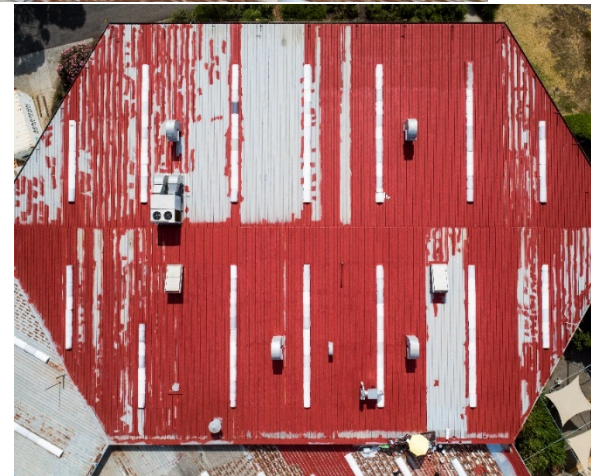
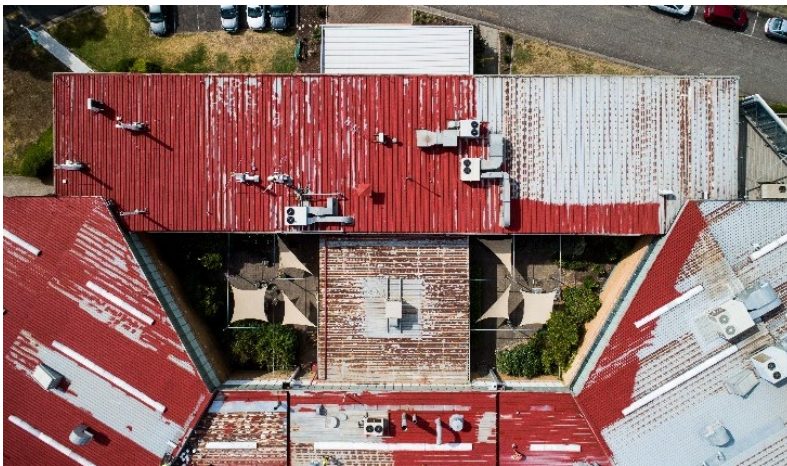
RUST CONVERTER: this product is applied to rusted steel only. Our rust converting primer of choice has a lower pH and this enables it to be applied directly over rusted steel where the converting action turns all the rust (namely the mixed iron oxides and hydrated oxides) into a stable metal phosphate.

RUST INHIBITOR: This coating is the “twin sister” of the converter which is designed mainly for the application over well rusted steel and cures into an abrasion resistant skin and is impervious to further rust.

Once all the rusted holes and heavy rusted areas have been treated we have then followed through with the application of rust converter and inhibitor which is sprayed on and gives a thorough coating over the entire roof.



BELOW ARE A SERIES OF PHOTOGRAPHS SHOWING THE APPLICATION STAGES OF RUST CONVERTER & INHIBITOR



Application of Rust Inhibitor and Converter almost completed

