

PRODUCT DATA SHEET

ADVANCED RANGE OF LIGHT INDUSTRIAL COATINGS

Date: January 2026

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Pro-Steel 2-in-1

WATER BASED



Product Description

A superior water based primer and topcoat for use on mild steel and galvanised iron with exceptional adhesion to properly degreased galvanised sheeting. It contains anti-corrosive pigments to prevent rust. It can be top coated with water based emulsion paints and decorative enamel paints once cured properly. (Not to be top coated with epoxy or automotive enamels). Quick drying with excellent coverage.

Composition

Modified emulsion with anti-corrosive pigments.

Physical Properties

Colour:	Red, Green, Black, White and Grey
Appearance:	Matt Finish
Viscosity:	95 Ku@23°C
SG:	1.20 - 1.25%
Mass Solids:	41 - 46%
Volume Solids:	34 - 39%
Shelf Life:	12 Months
Storage Conditions:	Normal
Pack Size:	1Lt, 5Lt and 20Lt

Application Properties

Method:	Brush, Roller or Spray
Average Dry Film Thickness:	40 - 50 microns (Recommended)
Theoretical Spreading Rate:	8 - 10m ² /l
Wet Film Thickness:	80 - 100 microns
Number of Coats:	1 - 2, or as required
Drying Time:	Surface 30 Mins, Hard 4 Hrs Max
Overcoating Time:	Between 30 Mins to 8 Hrs depending on which top coat is applied
Thinning:	Water (if necessary)
Cleaning Solvent:	Water
Recommended Systems:	As an anti-corrosive primer and topcoat for galvanised iron roof sheeting and structural steel.

Precaution

Flash Point:	N/A
Toxicity:	See Material Safety Data Sheet (M.S.D.S)

Surface Preparation

New Galvanised Iron - Remove the storage oil using **NJR Steel Advanced Range Metal Galv Cleaner** with a scouring pad. To achieve a “water-break free” surface i.e. free from oil and contaminants. Allow to dry and rinse again. Paint within one day of removing the storage oil before ‘white-rust’ or zinc oxide starts to form.

New Steel - Remove all storage oil with **NJR Steel Advanced Range Degreaser** with a scouring pad. Rinse well and allow to dry completely. Abrade all smooth metal areas to provide a key for better adhesion.

Old Galvanised Iron and Previously Painted Steel - Using 80/100 grit sanding paper remove all loose flaking paint and polish rusted area’s back to a bright metal surface. Apply **NJR Steel Advanced Range Pro-Steel 2-in-1 Water Based** to bare metal areas and allow to dry before applying a second coat. It is not recommended that **NJR Steel Advanced Range Pro-Steel 2-in-1 Water Based** is applied on top of old enamel paint, it is designed to be applied direct to steel.

LIMITATIONS - Surface preparation is vital for optimum results

No guarantees are implied by the recommendations contained herein; since the data sheet is issued for information only. Method of application, surface cleanliness, conditions of use etc. are beyond our control.