

# SOLIDGUARD 303A

Rust Converting Iron and Steel Coating

Solidguard 303A is a single component, water based, rust converting coating.

## BENEFITS:



*Minimal preparation required.*



*Easy application.  
Over-coatable with water or solvent based systems.*



*All ferrous metal substrates.  
Rusted or plain metal.*



*Interior or exterior.  
UV and colour stable.*



*Primer or finish coat.*



*Rust incorporation by chemical conversion.*



*Moisture tolerant.  
Water thinnable.*



*Crack or peel resistant.*



*Quick drying.*

## TECHNICAL DETAILS

Application	Roller, Brush or Spray
Finish	Flat
Profile	Smooth
Solids	50 %
Application Temp	5 - 30 °C
Theoretical Spread Rate	8 m <sup>2</sup> / L for 120 um
Recommended Dry Film Thickness	50 - 100 um
Surface Dry at 25 °C	30 minutes
Over Coat	Min. 4 hours
Mix Ratio	Single pack
Colour	Standard colours
Thinners	Water
Shelf Life	12 months

## PACKAGING

Solidguard 303A is supplied in 5 & 25 L plastic buckets.



\*Product colours may differ from the ones shown above. For a full colour chart or for samples, contact your nearest Technical Finishes branch.

### Gauteng

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## CHARACTERISTICS

- Modified acrylic polymer coating containing chemical rust converting additives for the protection of ferrous metals.
- Solidguard 303A may be used as the final topcoat system due to its durable, UV stable and flexible film properties.

## SUBSTRATE REQUIREMENTS

- Can be applied over rusted surfaces which are clean and free of dust, oily residues and loose friable material.
- Wire brushing is recommended to remove any loose rust and flakes.
- Surface defects revealed by blasting, should be ground and filled with Solidkote 121 Epoxy Putty.

## INSTRUCTIONS FOR USE

- Stir product well before use.

## AIR SPRAY

- Thin the product as needed between 5 - 10 % depending on the required thickness and application conditions.
- Thinner: Water
- Nozzle Orifice: 1.7 - 2.0 mm
- Nozzle Pressure: 0.2 - 0.3 MPa  
(± 2 – 3 bar, 29 – 44 psi)

## AIRLESS SPRAY

- Thin the product to between 0 - 3 % or as needed.
- Thinner: Water
- Nozzle Orifice: 0.38 - 0.48 mm
- Nozzle Pressure: 12 - 16 MPa  
(120 - 160 bar, 1740 - 2321 psi)

## BRUSH / ROLLER

- Thin the product to between 0 - 3 % or as needed.
- Thinner: Water

## CLEANING SOLVENT

Solidkote 503 PU Thinner

## OVERCOATING TABLE

Surface should be dry and free of any contamination. Solidguard 303A at 75 um.

Substrate Temperature	5°C	15°C	25°C	35°C
Min Interval (with itself)	8 hrs	6 hrs	4 hrs	2 hrs
Solidguard 50 ZP	36 hrs	30 hrs	24 hrs	12 hrs
Solidguard 75 EPZ	36 hrs	30 hrs	24 hrs	12 hrs
Max Interval	Unlimited			

## HEALTH AND SAFETY:

All appropriate PPE must be worn.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.