TECHNICAL DATA SHEET

Metal Roof Coating System

Reference	SWT Corrosion Primer	Metalseal 20
Purpose/Uses	*Rust and wet tolerant for use with Liquasil polymers*	*Permanent system for external refurbishment of metal profile roof systems*
Colour	*Grey*	*Goosewing Grey plus RAL Colour Range*
Application	*Brush or Roller*	*Brush/Roller/Airless Spray Apply one or two coats to leave a smooth, even & patch free finish*
Volume Solids	*100%*	*85%*
Recommended Film Thickness	*100 microns*	*DFT @ 300um = 3m² / DFT @ 250um = 3.5m²*
Coverage Rate	*Up to 6 sq metres per kg Heavily rusted or pitted surfaces may require 2 coats*	*Approx 3 to 4 m² per litre*
Drying Time	*Allow 6-24 hours drying time*	*Rain free - 2 to 4 hours Thoroughly dry - 8 hours in optimal conditions*
Thinners/Brush wash	*Use Sacrificial Brushes*	*Xylene*
Weight per Litre	*1.0 kg*	*1.0 at 20 deg C*
Flash Point	*> 100° C*	*Above 32° C*
V.O.C.	*V.O.C. Free*	*45 grms/litre*
Finish	*Semi Gloss*	*Sheen/Matt*
Application Temperature	*-20° C +40° C* *Note: Tins must be kept cool and out of direct sunlight during summer months to avoid premature curing*	*-5° C +60° C*
Approvals	*ABS Certified, IMO Approval, Lloyds Approval Ballast Tank Maintenance Coating Lloyds Type Approval: New Build Applications (Bore Steel and Shop Primers)*	*BBA Certification 18/5536*
Surface Preparation	*Remove existing or factory finishes and prepare to bare metal*	*All surfaces must be clean and thoroughly dry, particularly at joints*

FOR PROFESSIONAL USE ONLY

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BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 18/5536

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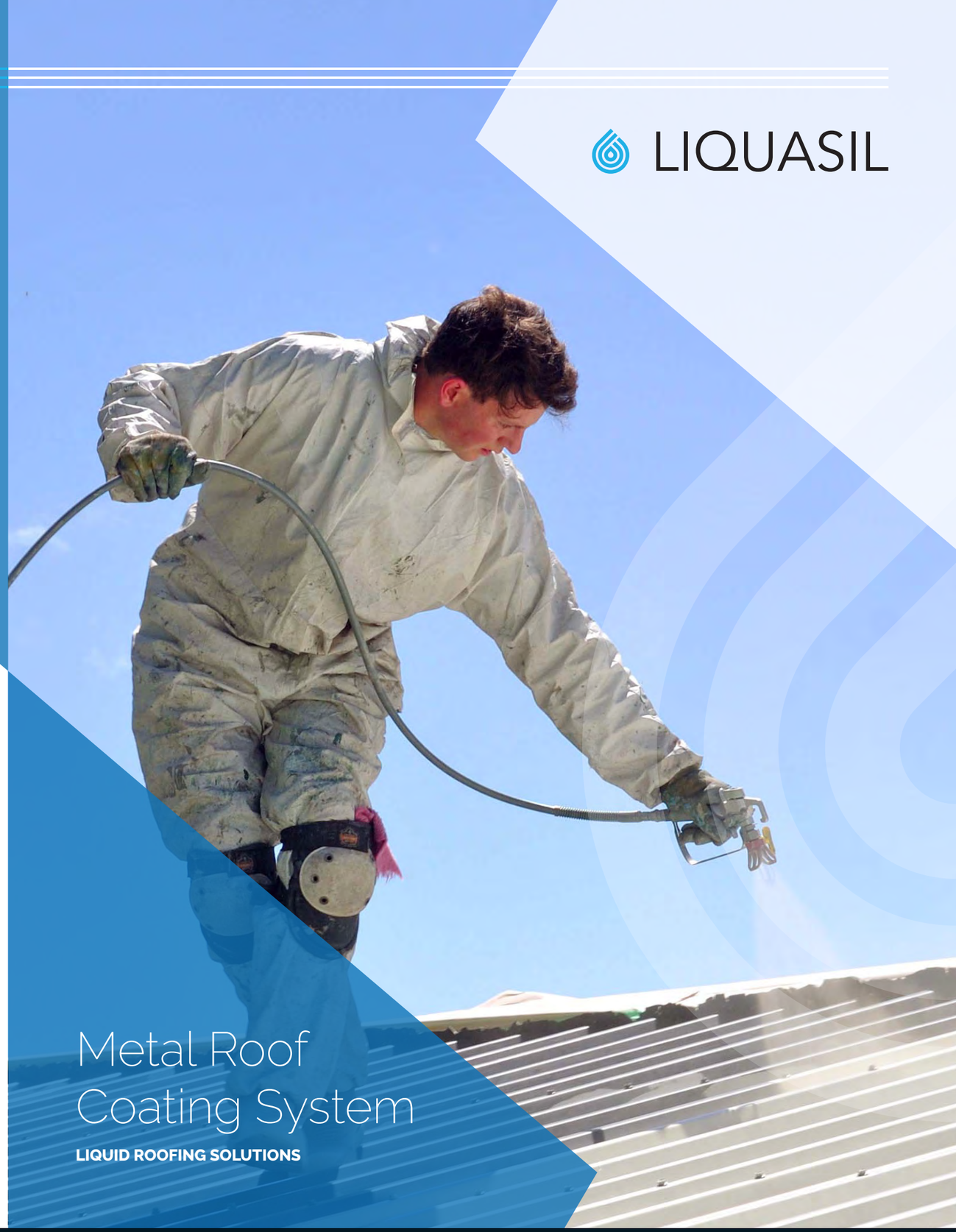

Metal Roof Coating System

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Application Method

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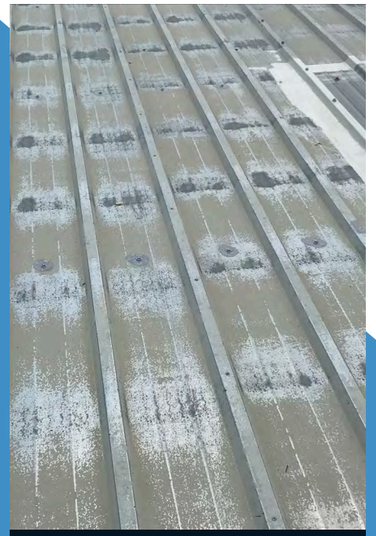
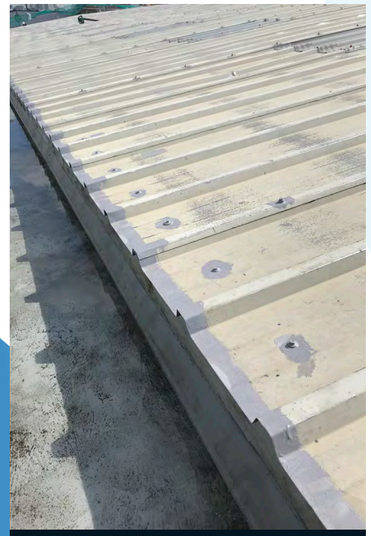
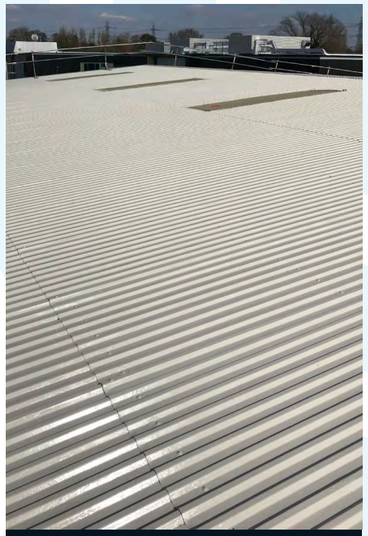
- Thoroughly clean, degrease and prepare all surfaces, removing any existing, unstable finishes as far as reasonably practicable.
- Conduct adhesion test with Metalseal on existing finishes if they are to remain in-situ. If adhesion is not satisfactory, please contact Liquasil for further advice.
- Treat cut edge corrosion and spot rust with Liquasil SWT Primer at a film weight of 100 microns.
- Apply a single coat of Metalseal to previously primed areas at a wet film thickness of 250-300 microns. Allow to dry.
- Using Airless spray, roller or brush, apply a single coat of Metalseal at a wet film thickness of 300-350 microns, to achieve DFT of 250-300 microns.
- Film weights can be achieved in one or two coats as necessary.



Preparation



Primer Applied



Completed Installation

Spray Application Guidelines

Warning

The information provided here should not be considered conclusive and should be read in conjunction with other safety information that might be applicable, for example, COSSH or spray equipment operator instructions. Please read all relevant safety data before commencing application.

Injection Injury

All sprayed coatings present a risk from injection injury. Read all information from your equipment provider and apply the safety catch whenever there is a pause in the spraying application. Read all information regarding avoiding injection injury and the dangers of injection injury.

In the event of injection injury seek immediate emergency treatment and provide medical personnel with MSDS information provided.

Avoiding Static Sparks

All spray equipment should be earthed when using solvent-containing materials since static build-up can cause sparks causing ignition of materials. Ask your spray equipment provider about methods of avoiding static build-up.

Spray Training

Metalseal is for application by professional applicators only.

For health and safety reasons, as well as good practice, we recommend formal training for all spray applicators.

Spraytrain www.spraytrain.com

Spray Equipment Hire, Sales Service & Spares

Sprayplant Limited www.sprayplant.co.uk

Suggested Equipment Specification

Graco Gmax 7900 petrol powered airless spray unit fitted with 30 mesh filter 15 metre 3/8" nylon braised hose, 1 metre nylon braided whip hose, compatible airless spray gun (remove any spray gun filters), XHD-517 XHD-519 or XHD-521 spray tip.

Atomising Pressure at gun: 3000 psi – note that slight tails are likely be present on all tip sizes since product will not fully atomise at the tip.

Material Preparation

Remove any skin that may have formed on the surface of the product before stirring thoroughly.

If using powered stirring equipment, avoid fast revolutions and do not allow the agitator blades to break the surface of the product, as this will aerate the material, making unsuitable for airless spray application.

Flushing & Purging

Before and after use, all spray equipment (including filters) should be thoroughly flushed with solvent (Virgin Xylene is strongly recommended). Ideally, do not use hoses that have previously been used or will be used for spraying water based paints.

Thoroughly purge spray equipment with material (approx 5 minutes per 15 metres of hose) with the spray tip assembly removed in order to reduce the chance of any tip blockages and to save time during application.

Pressure Drop

Pressure drop can be affected by various factors including temperature, increased flow rate by using larger tips than specified, using worn tips or longer or narrower hoses.

Tip Wear

Spray tip wear is common with airless spray applications and in order to reduce material wastage and achieve a consistent finish, we recommend regular tip replacement.

A new tip is far cheaper than wasted material.

Spray Method

To ensure an even application, a 50% overlap is recommended. Spray passes should be even. Avoid flicking up the spray gun at each pass. Frequently check wet film thickness during application.

Overspray

Atomised product can easily be picked up by the wind and carried long distances. Avoid spraying product in windy or gusting conditions to avoid overspray.

Over-sprayed surfaces should be attended to immediately.