

TECHNICAL DATA SHEET

Asbestos Roof Coating System



Reference	SWT Corrosion Primer	Asbestoseal 20
Purpose/Uses	Surface & Wet Tolerant ant-corrosion primer for use on metal components	Permanent system for the the encapsulation of Asbestos Cement
Colour	Grey	Mid 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	N/A (Spot prime)	DFT @ 300um = 2.6M ² per litre DFT @ 250um = 3.2M ² per litre
Coverage Rate	Up to 6 sq metres per litre	Approx 2.5 to 3.2 m ² 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	2.6 kg	1.0 kg
Flash Point	> 100° C	Above 32° C
V.O.C.	V.O.C. Free	45 grms/litre
Finish	Semi Gloss	Sheen/Matt
Application Temperature	5° C to 40° C (Optimum 15° C to 30° C)	5° C +60° C
Considerations	Keep tins cool and shaded in summer. Keep tins warm in winter.	Surfaces must be clean & bone-dry Keep tins cool and shaded in summer. Keep tins warm in winter.
Approvals		Previously BBA Approved
Surface Preparation	Remove loose & flaking corrosion	All surfaces must be clean, dry & free from fungal growth. Porous surfaces may require 2 coats. Do not apply if surface is powdery or unstable.

FOR PROFESSIONAL USE ONLY

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LIQUID ROOFING SOLUTIONS

Application Method

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- Thoroughly clean all surfaces, removing any existing, unstable finishes and previous patch repairs as far as reasonably practicable.
- Suitable cleaning methods: closed box pressure wash (HSE Approved) or steam cleaning (Not HSE Approved).
- If widespread delamination of roof sheets is evident, do not continue. Delaminating asbestos cement is extremely fragile and the roof might be unsuitable for coating.
- Conduct adhesion tests with Asbestoseal 20 on all existing finishes if they are to remain in-situ. If adhesion tests are not satisfactory, contact Liquasil Ltd for further advice.
- Treat all metal fixings with SWT Primer
- Apply Liquasil Non-Sag Sealer to all previously treated metal fixings.
- Apply Liquasil Non-Sag Sealer to any small holes or cracks present in roof sheets. Embed polyester fleece to larger cracks to prevent it falling through.
- If very large holes or cracks are present to roof sheets, these may be over-sheeted with GRP equivalent profile and coated with Asbestoseal 20.
- Roofs with a shallow pitch will benefit from sealing overlapping sheets with Non-Sag Sealer to prevent driving rain water ingress.
- Using Airless spray, roller or brush, apply Asbestoseal 20 at a wet film thickness of 300-350 microns. Film weights can be achieved in one or two coats as necessary.
- Note that when using airless spray, an initial mist coat of Asbestoseal 20, or use of Liquasil Asbestos Cement Stabilising Solution is recommended in order to achieve a uniform finish on porous substrates.

Optional Components

Liquasil Fungicidal Wash (5 or 20 litre drums)
 Liquasil Xylene (5 or 20 litre drums)
 Liquasil Asbestos Cement Stabiliser



Cleaned Roof Surface



Metal fixings treated with Liquasil Corrosion Primer



Liquasil Non-Sag Sealer to Fixings



Liquasil Non-Sag Sealer to Overlaps and Cracks



Asbestoseal 20 to entire Roof

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, COSHH 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 braided hose, 1 metre nylon braided whip hose, compatible airless spray gun (remove any spray gun filters), XHD-521 spray tip.

Atomising Pressure at gun: 3000 psi – note that slight tails are likely to 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 it 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.

