

TECHNICAL DATA SHEET

Liquasil Lite

Reference	Liquasil Lite
Purpose/Uses	Protective coating for use on pitched industrial roofs
Colour	Goosewing Grey plus RAL Colour Range
Application	Brush/Roller/Airless Spray Apply one or two coats to leave a smooth, even & patch free finish
Volume Solids	85%
Recommended Film Thickness	DFT @ 300um = 3m <sup>2</sup> / DFT @ 250um = 3.5m <sup>2</sup>
Theoretical Coverage Rate	Approx 3 to 4 m <sup>2</sup> per litre
Drying Time	Rain free - 2 to 4 hours Thoroughly dry - 8 hours in optimal conditions
Thinners/Brush wash	Xylene
Weight per Litre	1.3 kg
Flash Point	Above 32° C
V.O.C.	45 grms/litre
Finish	Matt
Application Temperature	5° C +60° C - always 3° above dew point
Considerations	Store in warm conditions during winter. Keep in shaded conditions in summer. Do not thin product. Stir thoroughly using mechanical mixing paddles.
Approvals	Fire Certification: EN 13501-5: 2016 CEN/TS 1187: 2012: T4
Surface Preparation	All surfaces must be clean and thoroughly dry, particularly at joints. Solvent clean primed surfaces. Additional ptreatment or primers may be required for galvanised surfaces or PVDF

FOR PROFESSIONAL USE ONLY

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Liquasil Lite (PR2)  
Universal Pitched  
Roof Coating

LIQUID ROOFING SOLUTIONS



## Application Method

# Liquasil Lite Protective Roof Coating System

- Thoroughly clean, degrease and prepare all surfaces, removing any existing, unstable finishes as far as reasonably practicable.
- **Surfaces MUST be bone-dry before applying Liquasil Lite top coat**
- Bare Galvanised Substrates - galvanised surfaces must be treated using a suitable mordant solution.
- PVDF or smooth polyester surfaces will always require Liquasil PVDF Adhesion Promoter
- Treat cut edge corrosion and spot rust, if present, with Liquasil Lite Corrosion Primer at a wet film weight of 100 microns.
- Clean primed surfaces with Liquasil Solvent Wipe immediately before applying a single coat of Liquasil Lite top coat to these areas at a wet film thickness of c300 microns. Allow to dry.
- Using Airless spray, roller or brush, apply a single coat of Liquasil Lite top coat at a wet film thickness of c300 microns,
- Film weights can be achieved in one or two coats as necessary.
- Always conduct adhesion tests before and during your coating project as Liquasil accepts no responsibility for adhesion failure.

## Sundry Components Available

- Solvent Wipe
- Mordant T-Wash
- PVDF Adhesion Promoter
- HP Butyl Tape
- Lapsil Joint Sealant

## 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

Liquasil Lite 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](http://www.spraytrain.com)

**Spray Equipment Hire, Sales Service & Spares**

**Sprayplant Limited** [www.sprayplant.co.uk](http://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-519 or XHD-521 spray tip.

Atomising Pressure at gun: 3000 psi

### 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. Cars will require the attention of a specialist detailer.

**IMPORTANT** - Surfaces must be bone-dry before application of Liquasil Lite.

**Service Life** : Liquasil PR has a service life of at least 15 years when installed in accordance with these instructions.

Warranty: Contractor Self Certified Product Warranty 10 years with options to extend.