



# BONDING LIQUID

## PRODUCT DESCRIPTION

A clear alkali resistant resin based bonding agent.

## PRODUCT FEATURES

A low viscosity clear versatile sealer. Bonding liquid is designed to have excellent penetration of porous surfaces & is recommended for use on previously lime-washed surfaces & powdery surfaces as well as excessively porous surfaces as a sealer prior to application of a paint specification. Ideal for sealing roof tiles prior application of Roof & All. Suitable for masonry surfaces to bind, strengthen & seal, thereby reducing the amount of finishing paint to be applied.

## TECHNICAL INFORMATION

Colour: Clear  
Appearance: Gloss  
Generic type: Alkali resistant synthetic resin  
Total solids: 25%  
Viscosity: 15 seconds (Ford cup no 4)  
Spreading rate: 6 - 8m<sup>2</sup>/litre  
DFT: Should not leave a film on surface  
Solvent: Hydrocarbons  
Mix ratio: Single pack ready for use  
Packaging: 1, 5 & 20 litre & 200 litre on request

## SURFACE PREPARATION

All surfaces are to be clean, dry, free from loose paint, oil, grease & other contamination.

## APPLICATION

Bonding liquid should be applied to correctly prepared Surfaces, e.g:

**Wood:** Sanded & dust free

**Masonry:** Remove as much as possible of powdery surface with wire brush & sand paper

**Airless spray:** No dilution necessary  
Nozzle pressure: 100 – 120 bar  
Nozzle orifice: 0.015"

**Conventional spray:** No dilution recommended  
Air pressure: 2 – 3 bar  
Nozzle orifice: 1.5 – 2mm

**Brush and Roller:** 10% dilution recommended

**Clean up:** Use Mineral Turpentine or Lacquer Thinners for dilution & clean up

## ENVIRONMENT

It is recommended that application be confined to following:

Surface temperature: Min. 5°C Max. 45°C  
Ambient temperature: Min. 5°C Max. 45°C  
Relative humidity: Min.0% Max.85%

Or at least 3°C above Dew point

## POT LIFE

Infinite. Air drying after evaporation of thinners. Do not leave container open.

## DRYING TIME

The drying time is dependent on temperature & ventilation. The higher the temperature & the better the ventilation, the shorter the touch dry & hard dry times.

Substrate Temp	Touch Dry	Hard Dry
15°C	3 hours	24 hours
20°C	1 hour	18 hours
25°C	25 minutes	12 hours

## OVERCOATING TIMES

10°C: 24 hours  
15°C: 20 hours  
20°C: 16 hours  
25°C: 12 hours

All the above are given as guidelines only & can not be assumed to be absolute, as variances will result from different film thickness, environment & temperature.

## STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold.  
Shelf life: 1 year in original sealed containers.  
Flash point: 24°C

## LIMITATIONS

Must be over coated within 72 hours to avoid excessive hardening. Do not apply in heavy films, most especially when intending to over coat with acrylics, as the glass-like surface will not allow acrylics to bond well to the surface. Not suitable for wet alkali surfaces, or surfaces which have been previously coated with oil paint or metal surfaces.

## SAFETY PRECAUTIONS

Work with PVC gloves, safety glasses & ensure good ventilation. When spraying with Bonding Liquid, work in well ventilated area & wear a suitable respirator. This product contains flammable materials, keep away from sparks, open flames & no smoking should be permitted in the area.

KEEP OUT OF REACH OF CHILDREN.

Information Provided is based on Laboratory evaluations and data believed to be reliable.  
Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for their own use.  
It is not to be considered a guarantee of the products properties.

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