



UNIVERSAL BONDING LIQUID PRODUCT CODE: BON00

TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

Universal Bonding Liquid is a classical solution polymer-based penetrating, bonding and stabilising liquid.

PRODUCT FEATURES AND BENEFITS

For interior and exterior on powdery, friable and very porous new and weathered substrates. Suitable for cement plaster, concrete, fibre cement, & gypsum plaster. Weathered substrates such as lime wash and chalked paint.

Good penetrating and binding properties

Excellent adhesion

Good alkali resistance properties

Easy to apply with brush or roller

Can be overcoated with a wide range of Universal Water and Solvent Based Products

PRODUCT INFORMATION

Colour	Clear
Surface Appearance	Slightly Glossy
Resin Base	Solution Polymer
Solids Content	By volume: Approx.15%
VOC Content	Very High VOC content more than 50%
Spreading Rate	Theoretical Spreading Rate: 8,6m²/litre @ 17,5 µm DFT Practical Spreading Rate: 4,1m²/litre @ 17,5 µm DFT Our spreading rate is calculated per coat on a smooth surface. This is a guide only. The rate will vary depending on the porosity and profile of the substrate. Tools used and application technique/ method will also have an impact on spreading rate.
Recommend WFT & DFT	100 – 133 µm WFT depending on the surface porosity, profile and application method 15 – 20 µm DFT depending on the surface porosity, profile and application method
Pack Sizes	Available in 1ℓ, 5ℓ & 20ℓ.
Storage and Packaging	Store away from direct sun, heat and severe cold Ensure the container is tightly sealed before storing. If not sealed properly and exposed to extreme temperatures, it will lead to defects such as product fouling, skinning, crystallizing and will have hard settlement.



APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous
Application Conditions	Surface Temperatures at 23°C Relative Humidity <50%
Recoating Time	Allow 16-18 hours to dry before over coating and must be coated within 72 hours
Application Methods	Brush or short hair roller
Thinner	To be thinned 10% for best penetration results – depending on the porosity of substrate
Cleaning of equipment	Mineral Turpentine

SURFACE PREPARATION

NEW SURFACES

The substrates must be clean, dry and sound and free of laitance

Apply 1 coat of Universal Bonding Liquid (Allowing 16-18 hours to dry however it must be overcoated within 72 hours)

Apply 2 coats of any Universal water based or solvent based top coats

PREVIOUSLY COATED SURFACES

The substrates must be clean, dry and sound

Remove all loose, flaking and bubbling paint

Remove all dust, foreign material, fungal and algae growth

For Lime Wash coated walls – remove lime as far as possible with scraper blades and or soft wire or bristle brushes but be careful not to damage the plaster. Clean the substrate to get rid of contaminants using a sugar soap and allow substrate to dry

Repair cracks with the appropriate crack's interior and exterior fillers

Spot prime using Universal Bonding Liquid (allowing 16-18 hours to dry however it must overcoated with 72 hours) on all bare and repair areas

Apply 2 coats of any Universal water based or solvent based top coats



CAUTIONS

The correct surface preparation is critical to ensure optimum performance of the paint system

Avoid painting during inclement weather

Don't wash, or wet, painted surfaces for 7 days after painting

High humidity will retard the drying and curing

Procedure to change a system from solvent to water based OR water to solvent based.

1. Sand surface slightly with fine sandpaper to break down the existing surface to a matt finish.
2. Dust off any loose dirt contaminants.
3. Clean the surface with soap solution.
4. Rinse well with clean water.
5. Allow the surface to dry completely.
6. Apply one coat of universal undercoat.
7. Apply two coats of the selected top coat (solvent or water based).

SAFETY PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet

This product is lead free, contains very high levels of VOC

Only use in well ventilated areas and do not eat, drink or smoke whilst using this product

Empty containers are suitable for recycling. But caution must be exercised in the disposal of used containers

DISCLAIMER

Universal Paints cannot be held liable if the product fails due to improper surface preparation or application