

SIMPLY® Bonding Liquid SB

Solvent based binding primer

A single component, solvent based, acrylic copolymer penetrating primer/sealer/binding coat for interior and exterior surfaces.

Intended uses

SIMPLY® Bonding Liquid SB is a premium quality, clear, alkali resistant resin-based binding agent for porous and friable surfaces. It soaks into the substrate and dries to a hard film thereby providing a sound surface on which to paint.

Recommended as a primer or sealer for new dry interior and exterior porous surfaces such as plaster, cement, "Masonite" hardboard (interior only), brick, concrete, and other various types of composition boarding.

Suitable as a primer/bonding liquid for penetrating and binding unsound PVA or lime wash to the original surface.

Properties

- Low viscosity sealer that ensures excellent penetration on porous surfaces.
- Can be used on interior and exterior surfaces.
- Can be over-coated with solvent based and emulsion based paints.
- Excellent alkali resistance.
- Easy to apply with a brush or roller.
- Binds and consolidates soft, friable, and under-bound surfaces.

Technical Data

Colour	Transparent
Finish	Semi-gloss / matt depending on substrate
Density (approx.)	0.97 Kg/ Litre
Volume Solids	12%
Mix Ratio (volume)	Supplied ready for use
Typical Film Thickness	50 - 60µm DFT (108 – 131µm WFT)
Theoretical Coverage	2.4 m ² / Litre @ 50 µm DFT, allow for loss factors
Method of Application	Brush, roller or spray
Temperature Resistance	Dry continuous – 80°C
Number of Coats	2 or as required to ensure good penetration
Flash Point	35°C
Viscosity	+/- 50 KU
Pack Sizes	1 Litre, 5 Litre, 20 Litre

Drying Information:

	- 5°C	0°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	60 min	-	-
Hard Dry	-	-	-	4 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	- 5°C	0°C	10°C	25°C	30°C	40°C
Minimum Water Based	-	-	-	8 hrs	-	-
Minimum Solvent Based	-	-	-	16 hrs	-	-
Maximum	48 hrs					

Notes:

* See additional information – definitions and abbreviations.

* A curing temperature below 10°C is not recommended, adequate ventilation should be maintained during application and curing. The figures quoted above have been determined at the quoted temperature and 50% RH. If overcoat limit is reached, the coating must be lightly abraded prior to re-coating.

Surface Preparation

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination.

New Work

Remove oil, grease, dirt and any other contamination with Hydrosolve Degreaser followed by fresh water rinses to remove traces of detergent. Allow to dry.

Previously Painted Surfaces in Good Condition

Loose and flaking paint should be completely removed and the surface should then be cleaned with Sugar Soap solution. Allow to dry.

Previously Painted Surfaces in Poor Condition

Loose and flaking paint should be completely removed until the underlying plaster can be seen “grinning” though. (Grey state). This can be done by scraping, sand blasting or use of a paint stripper.

Where paint surfaces have chalked on exterior exposure, remove as much as possible by brushing and washing. Proceed as for new work.

Application

Mixing	Material is supplied in a steel container. This is a one component product and does not require a hardener. Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments. No thinners should be added to this product.	
Pot Life	No limitation	
Thinner	Turps (0 – 10% for air spray only)	
Airless Spray Recommended	Tip range 11-17 Thou. Pressure at the tip should not be less than 170 bar (2500 PSI).	
Air Spray Recommended	Gun	Pressure/gravity feed
	Fluid tip	1.1mm to 1.6mm

Architectural & Decorative: Primers

Brush/Roller <i>Recommended</i>	Typically, 30-50 microns can be achieved.
Work Stoppage	Thoroughly flush all equipment with Turps. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered, and viscosity re-adjusted before use.
Clean Up	Clean all equipment immediately after use with Turps. It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependent upon the amount sprayed, temperature and elapsed time, including delays.
Additional Notes	• Good airflow is essential around the object once coated. • If the relative humidity limit of 70% is exceeded, drying and overcoating times will be severely extended. • Application below the minimum film forming temperature of the coating and/or poor ventilation will result in poor film coalescence and a powdery cracked film which will require removal prior to re-application.

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	10°C	10%
Maximum	40°C	45°C	85%

* Or 3°C above the dew point.

Limitations:

- Solvent based – good ventilation required during application and drying.
- Moisture content of substrate may not exceed 15%.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight away from sources of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.