

SIMPLY® Undercoat

Intercoat adhesion promoter

A single component, alkyd based pigmented undercoat.

Intended uses

A premium quality, universal general purpose undercoat that will provide good adhesion to most surfaces as well as additional build and filling properties.

It acts as an intercoat adhesion promoter between primers and topcoats and to aid in the adhesion between an existing solvent based topcoat and a water based or solvent based topcoat.

Used as a general purpose undercoat on previously painted surfaces or suitably primed plaster, wood, metal etc.

Properties

- Easy to use one component product that can be brush, roller or spray applied
- Provides excellent adhesion to a variety of un-primed surfaces such as hardboard, MDF board, wood, metal and others.
- Over-coatable by alkyd and emulsion based topcoats
- Easy to sand

Technical Data

Colour	White
Finish	Matt
Density (approx.)	1.44 Kg /Litre
Volume Solids	40%
Mass Solids	62%
Typical Film Thickness	25 – 40µm DFT (48 – 77µm WFT)
Theoretical Coverage	10 m ² / Litre @ 40 µm DFT, allow for loss factors
Method of Application	Brush, roller or spray
Temperature Resistance	Dry continuous – 80°C
Number of Coats	1 - 2
Viscosity	+/- 70 KU
Pack Sizes	1 Litre, 5 Litre, 20 Litre

Drying Information:

Architectural & Decorative: Primers

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

	- 5°C	0°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	4 hrs	-	-
Hard Dry	-	-	-	16 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	- 5°C	0°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	16 hrs	-	-
Maximum	4 Days					

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.

Systems & Compatibility

Consult a Specialized Coating Systems technical representative for coating system solutions.

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. Old hardened glossy surfaces must be abraded to a matt finish to improve intercoat adhesion of the undercoat.

Cement Plaster, Concrete and Unglazed Brickwork:

Ensure that concrete has dried for at least 28 days and other masonry surfaces for 14 days. Remove oil, grease, dirt and any other contamination with Hydrosolve degreaser followed by fresh water rinses to remove traces of detergent. N.B. Soft, under bound, friable and highly porous surfaces must be restored to a sound condition with SIMPLY® Plaster Primer SB or SIMPLY® Bonding Liquid SB.

Fibre Cement:

Remove any loose particles and laitance by most suitable means. Apply 1 coat of SIMPLY® Bonding Liquid SB. Allow to dry for 16 Hours. SIMPLY® Bonding Liquid SB must be overcoated within 3 days after application.

Gypsum Plaster (e.g. Rhinolite, Cretestone):

Apply one coat of SIMPLY® Plaster Primer SB. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be primed with be sealed with SIMPLY® Plaster Primer SB.

Wood:

Sand smooth with 150 grit paper working in the direction of the grain. Dust off and seal knots and resinous areas with Timba Knot Seal. Prime exterior wood with Ultimate Wood Primer.

Mild Steel:

Degrease with Hydrosolve degreaser. Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding etc. or Rust Remover Gel. Prime general surface same day using Ultimate Anti-Corrosive Primer or QD Primer HV.

Galvanized Steel:

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Clean with Galvanized Iron Cleaner to achieve a water break free surface. Rinse thoroughly with water to remove all traces of cleaner. Prime same day with Ultimate Anti-Corrosive Primer.

Aluminium:

Remove oil, grease and any other contaminants with Hydrosolve Degreaser. Rinse thoroughly with clean water and allow drying. Prime with Etch Primer.

Previously Painted Surfaces

Previously painted surfaces in good condition: Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with Sugar Soap solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of Sugar Soap. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish to aid adhesion.

Chalky surfaces: Remove completely by scraping, wire brushing, sandpapering, etc. to expose the underlying substrate. Apply SIMPLY® Bonding Liquid SB or SIMPLY® Plaster Primer SB. N.B. SIMPLY® Bonding Liquid SB must be allowed to dry for 16hrs and overcoated within 3 days after application.

Previously painted surfaces in poor condition: Completely remove paint by most appropriate means or by stripping with Paint Stripper. Treat as for new work.

Filling:

Fill defects with Crack Filler, Ultimate PlastaSkim Fine or HB or as appropriate. Seal Exterior surfaces with SIMPLY® Paster Primer SB. Fill wood with Timba Woodfiller and seal with SIMPLY® Plaster Primer SB.

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.	
Pot Life	No limitation	
Thinner	Mineral Turps (0 – 10% for air spray only)	
Airless Spray <i>Recommended</i>	Tip range 11-17 Thou. Pressure at the tip should not be less than 170 bar (2500 PSI).	
Air Spray <i>Recommended</i>	Gun	Pressure/gravity feed
	Fluid tip	1.1mm to 1.6mm
Brush/Roller <i>Recommended</i>	Typically, 30-50 microns can be achieved.	
Work Stoppage	Thoroughly flush all equipment with Mineral 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 Brush Cleaner. 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.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	7°C*	10°C	No lower limit
Maximum	40°C	45°C	85%

* Or 3°C above the dew point.

Limitations:

- Moisture content of substrate may not exceed 15%.
- Must be over-coated within 4 days to avoid Intercoat adhesion problems.
- 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.
- 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.