



## TECHNICAL DATA SHEET

**PRODUCT** PE200 WHITE POLYESTER UNDERCOAT

**DESCRIPTION** PE200 Polyester Undercoat is a two part high build undercoat for use on very absorbent substrates.  
Combined with its excellent sanding properties, it provides a smooth surface for top coating to matt and high gloss finishes.

**USED FOR** Furniture, various wood substrates (M.D.F., chipboard) and fibreglass.

### PROPERTIES

<b>COLOUR</b>	White
<b>SOLVENT RESISTANCE</b>	Very Good
<b>SANDABILITY</b>	Excellent
<b>BUILD</b>	Excellent
<b>SINKBACK</b>	Minimal
<b>WATER RESISTANCE</b>	Very Good
<b>VERTICAL HOLD UP</b>	Good
<b>HARDNESS</b>	Excellent after full cure
<b>LEVELLING &amp; FLOW</b>	Good

### TECHNICAL DATA

1. Viscosity Ford 4 Cup at 20°C.	90 ± 5 seconds
2. Solids content Part "A"	94 ± 1%
3. Pot Life at 20 °C	60 - 90 minutes
4. Dust Free at 20 °C	1 hour
5. Touch dry at 20 °C	3 hours
6. Through cure 20 °C	12 - 14 hours
7. Flash Point (mixed)	> 21°C
8. Specific Gravity	1.325

## PE200 WHITE POLYESTER UNDERCOAT

<b>COVERAGE</b>	From 200 to 300 gm / m <sup>2</sup> for each coat, depending on type of substrate.		
<b>THEORETICAL</b>	2.3 square metres / litre at 300 microns.		
<b>MIXING RATIO</b>	PE200 Part "A"	1 litre	20 litres
	PE230/PE330 Hardener	25 ml.	500 ml.
<b>POT LIFE AT 25 °C</b>	60 - 90 minutes @ 25 °C		
<b>APPLICATION METHODS</b>	Conventional spray / Pressure Pot.		
<b>MINIMUM FLASH OFF TIME</b>	5 minutes		
<b>SANDING AND TOP COATING</b>	<p>Allow 10 Hours before Top Coating  <b>MUST BE SANDED</b> before top coating - remove sanding dust.          If more than 24 hours between sanding and top coating, lightly abrade and remove sanding dust.</p>		
<b>SHELF LIFE</b>	<p>At 20 ° C - 6 months (sealed in original pack) - Part A          At 20 ° C - 12 months (sealed in original pack) - Part B</p>		
<b>PACKAGING</b>	Part A	4 litre	20 litre
	Part B	100 ml.	500 ml.

### SYSTEM RECOMMENDATIONS

<u>SUBSTRATE</u>	<u>PREPARATION</u>	<u>COATING SEQUENCE</u>	<u>FILM BUILD WET (DRY)</u>
TIMBER M.D.F., PARTICLE BOARD	Sand and remove dust.	1 <sup>st</sup> Coat: PE200 2-Pack White Polyester Undercoat  Finish coat: UT900 2-Pack Topcoat or UT100 Series 2-Pack Topcoat or Other suitable lacquer or 2-pack Topcoats.	300 microns  80 - 100 microns (36 - 45 microns)  100 - 120 microns ( 40 - 50 microns)  T.B.A.
FIBREGLASS	Sand and remove dust.	1 <sup>st</sup> Coat: PE200 2-Pack White Polyester Undercoat. 2 <sup>nd</sup> Coat : 2K Auto Primer Finish coat: UT100 Series 2-Pack Topcoat or other suitable 2-K Topcoat.	



## **PE200 WHITE POLYESTER UNDERCOAT**

### **SURFACE PREPARATION**

**TIMBER / M.D.F.** Surface should be dry, clean and free from large gaps or imperfections.  
An initial sand with 180 grit Fre-cut paper is recommended prior to sealing.

**PARTICLE BOARD** Remove by blow-off or vacuum all excess dust then apply  
PE200 Undercoat according to instructions.

**FIBREGLASS** Surface should be dry, clean and free from large gaps or imperfections.  
An initial sand with 180 grit or Fre-cut paper followed by wiping with  
PE100 Thinner is recommended to remove moulding agents & etc.

### **APPLICATION**

**MIXING** See MIXING RATIO on page 2.

**THINNING** PE200 Undercoat is designed as a ready for use system, but up to  
5% thinners may be required.  
If thinning is necessary, PE100 Thinner is recommended.  
Use PE105/PE110 thinners for warm to hot conditions.

**SPRAYING** SUCTION GUN - using 72 - 86 thou orifice  
at 300 - 350 kPa (40 - 50 p.s.i.)  
  
For PRESSURE POT applications use 40 - 50 thou orifice with a pressure pot  
air cap, air pressure of 350 kPa (50 p.s.i.) and  
a MAXIMUM pot pressure of 45 kPpa (6 p.s.i.).

### **EQUIPMENT CLEANUP**

All equipment should be thoroughly cleaned with PE100 Thinner.



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## PE200 WHITE POLYESTER UNDERCOAT

### PRECAUTIONS

**SAFETY** Do NOT smoke.  
This product is peroxide catalysed and the necessary precautions must be observed when handling this material.

**GENERAL** Freshly mixed material must not be added to material which has been in use for some time.  
Rate of cure is dependent upon temperature.  
Do not apply this product at temperatures below 10°C or relative humidity above 85%.  
Ensure maximum recoat interval is not exceeded otherwise surface must be lightly abraded and then dusted to ensure maximum inter-coat adhesion.  
Shelf life is normally 12 months but depends on storage conditions.

### **DANGEROUS GOODS**

Part A - Class 3	UN 1263	PAINT HFP
Part B - Class 5.2	UN 3105	ORGANIC PEROXIDE TYPE D, LIQUID

This data sheet is based on information in BC Coatings possession at date of issue.  
BC Coatings supplies its products only on condition that the consumer is satisfied as to the performance of the product in meeting his particular requirements.