



## TECHNICAL DATA SHEET

**PRODUCT** PE234 WHITE POLYESTER UNDERCOAT

**DESCRIPTION** PE234 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.  
This product is designed to be used with 1:1 Polyester Pumps only.

**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	2 – 3 days
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

## PE234 WHITE POLYESTER UNDERCOAT

<b>COVERAGE</b>	From 200 to 300 gms/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>	PE234 Part "A" – Only available in 20 litres PE234 Part "B" – Only available in 10 litres Pails Add 15mls - 25mls per litre of PE230/PE250 Hardener
<b>POT LIFE AT 25 °C</b>	2 – 3 days @ 25 °C
<b>APPLICATION METHODS</b>	Polyester Pump Only
<b>MINIMUM FLASH OFF TIME</b>	5 minutes
<b>SANDING AND TOP COATING</b>	Allow 10 Hours before Top Coating MUST BE SANDED before top coating - remove sanding dust. If more than 24 hours between sanding and top coating, lightly abrade and remove sanding dust.
<b>SHELF LIFE</b>	At 20° C - 6 months (sealed in original pack) - Part A At 20° C - 12 months (sealed in original pack) - Part B
<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</u> <u>WET (DRY)</u>
TIMBER M.D.F., PARTICLE BOARD	Sand and remove dust.	1 <sup>st</sup> Coat: PE234 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      (wet)  80 - 100 microns (wet) (36 - 45 microns) (dry)  100 - 120 microns (wet) ( 40 - 50 microns) (dry)  T.B.A.
FIBREGLASS	Sand and remove dust.	1 <sup>st</sup> Coat: PE234 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.	300 microns      (wet)  125 - 150 microns (wet) (70 - 80 microns) (dry)  100 - 120 microns (wet) ( 40 - 50 microns) (dry)



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### **SURFACE PREPARATION**

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

**PARTICLE BOARD** Remove by blow-off or vacuum all excess dust then apply  
PE234 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** Product is ready for use  
PE100 Thinner is recommended. See Temperature Application Guide for more  
information. Available at [www.bccoatings.com.au](http://www.bccoatings.com.au).

### **EQUIPMENT CLEANUP**

All equipment should be thoroughly cleaned with PE100 Thinner.



## **PE234 WHITE POLYESTER UNDERCOAT**

### **PRECAUTIONS**

#### **SAFETY**

Provide adequate ventilation during use.

Airflow should be adequate to ensure a comfortable working atmosphere.

When spray painting, users should comply with the provisions of the State Spray Painting Regulations.

Where this is not possible, operators must use an air supplied respirator complying with Australian Standards AS1715 and AS1716.

This product is flammable and all sources of ignition (flame, pilot lights, furnaces, spark producing switches & etc.) must be eliminated in, or near, the application area.

Do **NOT** smoke.

This product is peroxide catalysed and the necessary precautions must be observed when handling this material.

Avoid contact with skin and eyes.

Wear protective goggles and gloves when handling the material.

In the case of skin contact, remove contaminated clothing and wash skin thoroughly with clean water.

Seek medical attention if eyes are affected by splashes or fumes.

#### **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 3 months but depends on storage conditions.

### **DANGEROUS GOODS**

Part A - Class 3	UN 1263	PAINT HFP
Part B - Class 3	UN1263	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.