

## TECHNICAL DATA SHEET

### PRODUCT                    **EP200 2 - PACK EPOXY PRIMER**

#### DESCRIPTION

EP200 Two-pack epoxy primer is recommended for use as a tie coat to maximise the adhesion and water impermeability of Urethane topcoats with difficult substrates such as concrete and masonry surfaces.

It is especially suitable in applications requiring a high degree of solvent and chemical resistance for industrial applications or as a base component in decorative / protective polyurethane finishes for the transport sector.

#### PROPERTIES

<b>COLOUR</b>	White, Black & Grey
<b>GLOSS LEVEL</b>	Gloss
<b>WEATHERING</b>	Not Applicable (usually top coated)
<b>CHEMICAL RESISTANCE</b>	Excellent (weak organic acids and common alkalis)
<b>SOLVENT RESISTANCE</b>	Excellent (unaffected by most common organic solvents)
<b>ABRASION RESISTANCE</b>	Very good - excellent.
<b>TEMPERATURE RANGE</b>	Up to 110 °C. (dry).

#### TECHNICAL DATA

<b>RECOMMENDED FILM BUILD</b>	120 microns (wet)	60 microns (dry) per coat.
<b>VOLUME SOLIDS</b>	50%	(on non absorbent substrate)
<b>THEORETICAL COVERAGE</b>	Typically 9 sq metres per litre at 100 - 120 microns wet. (100% transfer basis).	
<b>COMPONENTS</b>	Two	
<b>MIXING RATIO</b>	4A : 1B	



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<b>DRYING AT 25 °C</b>	Touch dry: 2 hrs	Handleable: 16 hrs
	Recoat: 8 - 10 hrs	Full cure: 7 days
<b>POT LIFE AT 25 °C</b>	8 hrs (will reduce as temperature increases)	
<b>APPLICATION METHODS</b>	Brush, roller, air or airless spray.	
<b>FLASHPOINT</b>	27 °C.	
<b>RECOATABILITY</b>	Recoat within 5 days.	
<b>SHELF LIFE</b>	12 months (minimum) in original containers	
<b>PACKAGING</b>	Part A 1 lt. 4 lt. 20 lt.	Part B 1 lt. 5 lt.

**SYSTEM RECOMMENDATIONS**

<b><u>SUBSTRATE</u></b>	<b><u>PREPARATION</u></b>	<b><u>COATING SEQUENCE</u></b>	<b><u>FILM BUILD WET (DRY)</u></b>
<b>CONCRETE</b>	Fresh concrete should be acid washed.	1st coat : EP200 2-pack Epoxy Primer	80 - 100 (30 - 40) microns
<b>OR MASONRY</b>	Remove loose material and dust.	Finish coat : UT110 Series Acrylic topcoats	125 (50) microns.

**SURFACE PREPARATION**

**CONCRETE / MASONRY**

Acid wash new surfaces using dilute hydrochloric acid.  
 Wash with fresh water and allow to fully dry.  
 Old surfaces must be free of all foreign matter, oil, grease, scale etc., which should be removed using traditional method such as solvent wiping , steam degreasing or water blasting.  
 Any loose or crumbling material will need to be secured.

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### **APPLICATION**

#### **MIXING**

Stir each of the components till homogenous.  
Mix all base and hardener components until fully blended.  
Allow induction time of 15 - 20 minutes prior to use.  
For smaller quantities mix 1 parts of base to 1 part hardener by volume.

#### **THINNING**

Use recommended thinner only, up to a maximum of 10% by volume depending on method of application employed.

#### **BRUSH OR ROLLER**

Use brush for small or difficult areas.  
Short nap roller is recommended with two coats for best result and even finish.  
Wash up with EP100 Epoxy Thinner.

#### **AIRLESS**

Standard airless equipment using 28.1 pump ratio and fluid tip in range 475 - 525 microns (0.019-.021 inches) and supply air at 520 - 650 kPa (80 - 100p.s.i).  
Thin as necessary with EP100 Epoxy Thinner.

#### **EQUIPMENT CLEANUP**

All equipment should be thoroughly cleaned with EP100 Epoxy Thinner.



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### **PRECAUTIONS**

#### **SAFETY**

DO NOT SMOKE.

This product is polyamide 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 humidities > 85%.

Ensure maximum recoat interval is not exceeded otherwise surface must be lightly abraded and then dusted to ensure maximum intercoat adhesion.

Shelf life is normally 12 months but depends on storage conditions.

#### **DANGEROUS GOODS**

Part A	Class 3.1	UN	1263	PAINT	HFP
Part B	Class 3.2	UN	1866	PAINT	HFP

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.