Manufacturers of UTHANE Polyurethane Coatings
14a Williamson Road, Ingleburn, N.S.W., 2565
Phone +612 9729-2000 1300 BCC OAT (222 628)
Email: orders@bccoatings.com.au
Text Orders/Enquiries: 0487 800 090

TECHNICAL DATA SHEET

PRODUCT **EP210 2- PACK EPOXY ANTI-CORROSIVE PRIMER**

DESCRIPTION EP210 Two-pack epoxy primer is based on non-toxic anti-corrosive zinc phosphate pigments and is suited for use over suitably prepared steel surfaces where a combination of resistance to chemicals, solvents and aggressive environmental conditions is required.

PROPERTIES

COLOUR Grey

GLOSS LEVEL Semi-gloss.

WEATHERING Not Applicable (usually top-coated).

CHEMICAL RESISTANCE Excellent (weak organic acids and common alkalis)

SOLVENT RESISTANCE Excellent (unaffected by most common organic solvents)

ABRASION RESISTANCE Excellent.

TEMPERATURE RANGE Up to 120 °C (dry).

TECHNICAL DATA

RECOMMENDED FILM BUILD 150 microns (wet) 75 microns (dry) per coat.

VOLUME SOLIDS 50%

THEORETICAL COVERAGE Approximately 7 sq. metres per litre at 150 microns wet.

COMPONENTS Two.

MIXING RATIO 4A : 1B

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DRYING AT 25 °C	Touch dry:	2hrs	Handleable:	16hrs
	Recoat:	10hrs	Full cure:	6 days
CHEMICALLY ASSISTED DRYING AT 25 °C	Touch dry:	1hr	Handleable:	6hrs
	Recoat:	5hrs	Full cure:	3 Days

POT LIFE AT 25 °C 8hrs (will reduce as temp increases)

APPLICATION METHODS Brush, roller, air or airless spray.
Chemically assisted drying requires air atomisation or shaping air.

FLASHPOINT 8 °C

SHELF LIFE 12 months (minimum) in original containers

PACKAGING

Part A	4 lt.	
Part B	1 lt.	5 lt.

SYSTEM RECOMMENDATIONS

SUBSTRATE	PREPARATION	COATING SEQUENCE	FILM BUILD WET (DRY)
STEEL	Abrasive blast Clean AS1627.4 class 2.5 (min)	**SYSTEM 1** 1st coat : BC300 2- pack Metal Etch Primer	40 - 50 (10 - 15) microns
		2nd coat : EP210 2-pack Anti-corrosive Primer	150 (75) microns
		Finish coat: UT100 Series Acrylic Topcoats	100 - 120 (40 - 50) microns
		SYSTEM 2 1st coat : EP210 2-pack Anti-corrosive Primer	150 (75) microns
		2nd coat : UT150 Series Acrylic Topcoat	100 (50)microns
		Finish coat : UT150 Series Acrylic Topcoat	100 (50)microns

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SURFACE PREPARATION

STEEL Remove any grease or oil using suitable solvent or water based degreaser.
Acid or alkali presence should be neutralised with appropriate products followed by thorough rising with clean water.
Any other foreign matter e.g. rust, mill-scale etc., should be abrasively blast cleaned to Australian standard AS1627.4 Class 2.5 for ambient conditions or class 3 for immersion conditions.

APPLICATION

MIXING Stir each of the components till homogenous.
Mix all base and hardener components until fully blended.
Allow induction time of 15-20 mins prior to commencing application.

THINNING Use recommended thinner only, up to a maximum of 15 % 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.

SPRAYING

Conventional pressure pot	: 1.5 mm Fluid orifice using 450 kPa (70 psi).
Pressure at pot	: 130 kPa (20 psi)

AIRLESS Standard airless equipment such as Graco, Binks etc. is suitable.
Refer manufacturers recommended specifications for set-up.

EQUIPMENT CLEANUP All equipment should be thoroughly cleaned with EP100 Epoxy Thinner.

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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 switch etc.) must be eliminated in, or near, the application area.
DO NOT SMOKE.
This product is polyamide 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 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 (in original containers) 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