

# LUXAPRIME<sup>®</sup> UMP

Universal Primer and Tie Coat

PC 625

- FEATURES**
- COMPATIBLE OVER MOST EXISTING COATINGS
  - COMPATIBLE WITH MOST TWO PACK TOPCOATS
  - CONTAINS ZINC PHOSPHATE
  - RAPID DRYING

**USES** LUXAPRIME<sup>®</sup> UMP is a single pack zinc phosphate primer that is ideally suitable as a tie coat when an existing finish needs to be topcoated with a coating which it is not compatible (eg. polyurethane over an alkyd). Its rapid dry properties make LUXAPRIME<sup>®</sup> UMP an excellent shop primer and its high zinc phosphate loading results in good anti-corrosion properties.

**SPECIFICATIONS** AS3750.19 Type 1

## RESISTANCE GUIDE

<b>HEAT RESISTANCE</b>	Up to 65°C dry heat.	<b>ALKALIS</b>	Suitable for splash and spillage of weak alkali with suitable topcoat.
<b>WEATHERABILITY</b>	On exterior exposure some chalking may also occur. This will not detract from the protective properties of the coating. Use a weatherable topcoat if required for appearance.	<b>SALTS</b>	Unaffected by splash and spillage of most salt solutions.
<b>SOLVENTS</b>	Withstands splash and spillage of aliphatic and aromatic hydrocarbons.	<b>WATER</b>	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
<b>ACIDS</b>	Suitable for splash and spillage exposure to weak acids with suitable topcoat.	<b>ABRASION</b>	Good for single pack coating.

## TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Universal Primer	<b>APPLICATION CONDITIONS</b>			Min	Max
<b>FINISH</b>	Low Gloss	Air Temperature	5°C	40°C		
<b>COLOUR</b>	Grey	Substrate Surface Temperature	5°C	40°C		
<b>COMPONENTS</b>	One	Relative Humidity		85%		
<b>SOLIDS BY VOLUME</b>	29% (Grey)					
<b>VOC LEVEL</b>	<600 g/L (Grey)					
<b>FLASH POINT</b>	4°C					
<b>POT LIFE</b>	Not applicable					
<b>MIXING RATIO (V/V)</b>	Single Pack					
<b>THINNER</b>	921-00464 Dulux <sup>®</sup> Vinyl Thinner					
<b>PRODUCT CODE</b>	866-51894 Grey	<b>SUITABLE SUBSTRATES</b>	Abrasive blast cleaned steel, tightly adhering aged coating. Suitably prepared PVC and Fibreglass.			
		<b>TOPCOATS</b>	Most single and two pack topcoats			
		<b>APPLICATION METHODS</b>	Conventional, airless spray or air assisted spray.			

### Drying characteristics at 50 microns dry film thickness

Temperature	Humidity	Touch	Handle	Full Cure	Overcoat	
					Min	Max
25° C	50%	30 Minutes	4 Hours	7 Days	4 Hours	Indefinite

These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

### TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD

A spreading rate of 5.8 sq. metres per litre corresponds to 50 microns dry film thickness assuming no losses. Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness.

# LUXAPRIME® UMP

## TYPICAL SYSTEMS

(The typical systems are offered as a guide only and are not to be used as a specification. It is recommended that the specific needs of a project be discussed with a Dulux Protective Coatings Consultant.)

SURFACE	PREPARATION GUIDE	SYSTEM		DRY FILM THICKNESS
AGED PREVIOUSLY PAINTED SOUND SURFACE	Clean, degrease and abrade	1st Coat	LUXAPRIME® UMP	50 Microns
		2nd Coat	WEATHERMAX™ HBR	100 Microns
		1st Coat	LUXAPRIME® UMP	50 Microns
		2nd Coat	LUXATHANE® R	50 Microns
		3rd Coat	LUXATHANE® R (Optional)	50 Microns

### SURFACE PREPARATION

#### Steel:

Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Rust, millscale, oxide deposits and old paint films on metal surfaces must be removed by abrasive blast cleaning to a minimum of AS1627.4 Class 2.5. Remove all dust by brushing or vacuum cleaning.

#### New or Aged Coating:

Remove grease, oil and other contaminants in accordance with AS1627.1. Remove all dust by vacuum cleaning.

### APPLICATION

Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Remix thoroughly before using.

### BRUSH/ROLLER

Suitable for small areas only. When brushing and rolling additional coats may be required to attain the specified thickness.

### CONVENTIONAL SPRAY

Thin up to 250ml/litre with Dulux® Vinyl Thinner (921-00464) to aid atomisation. Apply in multiple wet coats overlapping each pass 50%.

#### Typical Set-up

Graco Delta Gun: 1.8mm (239543)  
Pressure at Pot: 70-100 kPa (10-15 p.s.i.)  
Pressure at Gun: 380-410 kPa (55-60 p.s.i.)

### AIRLESS SPRAY

Standard airless spray equipment such as a Graco 30:1 President or 33:1 Bulldog with a fluid tip of 15-19 thou (0.38-0.48mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 100 ml/litre of Dulux® Vinyl Thinner (921-00464) may be added to ease application.

### PRECAUTIONS

This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux® Australia. Do not apply at temperatures below 5°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not overcoat before the minimum overcoat interval or wrinkling may occur. Do not apply over scale bearing steel. Abrasive blast cleaned surfaces must be primed within 4 hours. When overcoating with approved two pack finishes or with finishes containing aggressive solvents, a drying period of at least 48 hours at 25°C is recommended. If unsure of the result lightly sand and test a small area before completing the major work. It is normal good painting practice when using a barrier or tie coat (such as LUXAPRIME® UMP) over existing or unknown paint/coatings, to apply and evaluate a small test patch prior to commencement of major work.

### CLEAN UP

Clean all equipment with Dulux® Vinyl Thinner (921-00464) immediately after use.

### OVERCOATING

Aged coating should be tested for lifting by a method appropriate for the coating thickness, for example 'X' cut or cross-hatch methods. If it lifts, remove it. The surface must be free of oil, grease and other contaminants. High-pressure water wash at 8.3 to 10.3 MPa (1,200 – 1,500 p.s.i.) to remove loosely adhering chalk and dust. Abrasion may be required depending on surface condition.

### SAFETY PRECAUTIONS

**Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.**

### STORAGE

Store as required for a flammable liquid Class 3 in a bonded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.

### HANDLING

As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

### USING

Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.

### FLAMMABILITY

This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO<sub>2</sub> or dry chemical powder. On burning will emit toxic fumes.

### WELDING

Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

**MATERIAL SAFETY DATA SHEET is available from Customer Service (132377) or [www.duluxprotectivecoatings.com.au](http://www.duluxprotectivecoatings.com.au)**

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PACKAGING	Available in 4 litre and 15 litre containers
TRANSPORTATION WEIGHT	1.19 kg/litre (Grey)
DANGEROUS GOODS	Class 3 UN 1263

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