

LUXAPRIME® UMP

Universal Primer and Tie Coat

PC 625

- FEATURES**
- COMPATIBLE OVER MOST EXISTING COATINGS
 - COMPATIBLE WITH MOST TWO PACK TOPCOATS
 - SINGLE PACK
 - HIGH LEVEL OF ZINC PHOSPHATE
 - RAPID DRYING

USES LUXAPRIME® UMP is a single pack zinc phosphate primer that is ideally suitable as a tie coat when an existing finish must be topcoated with a product with which it is not compatible (eg. a polyurethane over an alkyd).
LUXAPRIME® UMP is formulated with a high level of zinc phosphate to achieve good corrosion protection. The anti-corrosion pigmentation together with the fast dry formulation of LUXAPRIME® UMP offers additional use as a shop primer.

SPECIFICATIONS AS3750.19 Type 1

RESISTANCE GUIDE

WEATHERABILITY	Will chalk on exterior exposure. Use a weatherable topcoat.	SOLVENTS	Good resistance to splash and spillage of aromatic and aliphatic hydrocarbons.
HEAT RESISTANCE	Up to 65°C dry heat.	WATER	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
SALTS	Excellent resistance to splash and spillage of most salt solutions.	ALKALIS	Resists to splash and spillage of weak alkalis if suitably topcoated.
ACIDS	Resists to splash and spillage of weak acids if suitably topcoated.	ABRASION	Good for a single pack when fully cured.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Single pack universal primer		APPLICATION CONDITIONS		
FINISH	Low Gloss			Min	Max
COLOUR	Grey		Air Temp.	5°C	40°C
			Substrate Temp.	5°C	40°C
			Relative Humidity		85%
COMPONENTS	One		COATING THICKNESS (MICRONS)		
VOLUME SOLIDS	29%			Min	Max
VOC LEVEL	<600 g/L				Recommended
FLASH POINT	-1°C		Wet film per coat (µm)	150	240
POT LIFE	Not applicable		Dry film per coat (µm)	40	65
MIXING RATIO V/V	Single Pack				185
					50
THINNER	921-00464	Dulux® Vinyl Thinner	SUITABLE SUBSTRATES	Abrasive blast cleaned steel, tightly adhering aged coating. Suitably prepared PVC and fibreglass	
PRODUCT CODE	866-51894	Grey	PRIMERS	Any well-adhering, clean and abraded surface	
			TOPCOATS	Single and two pack Dulux® topcoats	
			APPLICATION METHODS	Conventional, airless spray or air assisted spray	

DRYING CHARACTERISTICS AT 50 µm DRY FILM THICKNESS*

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

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

SPREADING RATE ASSUMING NO LOSSES

5.8 square metres per litre equals 50 µm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

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TYPICAL SYSTEMS

This is a guide only and is not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

SURFACE	ENVIRONMENT	PREPARATION GUIDE	SYSTEM	DFT (µm)
STEEL – MAINTENANCE	Exterior/Interior	Clean, degrease and abrade	1 st Coat Luxaprim® UMP	50 µm
			2 nd Coat Luxathane® HPX	50 µm
			3 rd Coat Luxathane® HPX	50 µm
STEEL – MAINTENANCE	Exterior/Interior	Clean, degrease and abrade	1 st Coat Luxaprim® UMP	50 µm
			2 nd Coat Metalshield® Premium	50 µm
			3 rd Coat Metalshield® Premium	50 µm

NOTE: If the application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity.

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 with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer's written instructions and all safety warnings. Abrasive blast clean to a minimum of AS1627.4 Class 2.5 with a blast profile of 40 – 70 microns. Remove all dust by brushing or vacuuming. Steel Maintenance: Clean surface in accordance with AS1627.1 using Gamlen CA 1 according to the manufacturer's written instructions and all safety warnings. Remove unsound coatings. Feather back edges to remove ridges. Abrade the entire surface of tightly adhering remaining coating to provide a suitable key for the new coating system. Remove all red rust by power tool cleaning in accordance with AS/NZ 1627:2 Class 2. Remove all residues. Spot prime bare steel.			
APPLICATION BRUSH/ROLLER	Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application. 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 AirPro: 1.8mm (239543) Pressure at Triton 308: 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 Xtreme 30:1 or Graco Merkur 30:1 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 aid 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® Consultant 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	Degrease with Gamlen CA 1 according to the data sheet. Test adhesion of existing coating by standard cross hatch adhesion test. If the coating fails, remove it. High-pressure water wash at 8.3 to 10.3 MPa (1,200-1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating.			
SAFETY PRECAUTIONS	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au			
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 the risk of inhalation of spray mists exists, wear a combined organic vapour/particulate respirator. When spraying, users must comply with their 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 ₂ or dry chemical powder. On burning will emit toxic fumes.			
WELDING	Avoid inhalation of fumes if welding surfaces are coated with this paint. Grind off the coating before welding.			

COMPANY INFORMATION

Dulux Protective Coatings a division of

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DuluxGroup (New Zealand) Pty Ltd
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PACKAGING, TRANSPORT AND STORAGE

PACKAGING	Available in 4 litre and 15 litre packs
TRANSPORTATION WEIGHT	1.19 kg/litre
DANGEROUS GOODS	Class 3 UN 1263

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