

DULUX WEATHERSHIELD POWERFLEXX SILK



Product Name	Dulux Weathershield Powerflexx Silk						
Description and Usage	Dulux Weathershield Powerflexx Silk is a high performance anti-carbonation elastomeric paint specially formulated to give superior all-weather protection and durability to exterior walls. It has excellent elastic properties and due to its cross-linking film structure it keeps surfaces clean longer. Dulux Weathershield Powerflexx Silk is suitable on new or previously painted masonry surfaces such as brickwork, plaster, cement, rendering and semi-permanent exterior finishes.						
Benefits	• Protects against extreme weather up to 50°C, UV, colour fading and condensation • With unique elastomeric properties that cover hairline cracks, and prevent them from resurfacing • Excellent dirt and dust resistance enables paint to stay cleaner and brighter • Excellent anti-carbonation properties • Excellent alkali resistance and adhesion properties • KeepCool heat reflective technology makes house up to 5°C cooler • Protects against fungus & algae • Low VOC & low odour • No added lead & mercury • Eight (8) years protection						
Pack Size	1 & 4 Litre: White, Base A, Base B, Base C, Base D 16.5 Litre: Base A, Base B; 17 Litre: Base C, Base D; 18 Litre: White						
Colour Range	See appropriate Colour Card						
Film Properties							
<i>Chemical Resistance</i>	Resistant to mild atmospheric fume attack and to the salts in new mortar, rendering and similar surfaces.						
<i>Water Resistance</i>	Resistant to the levels of atmospheric humidity normally experienced in exterior environment.						
Composition (nominal)	<table><tr><td>Pigment</td><td>: Lightfast Non-lead Pigments</td></tr><tr><td>Binder</td><td>: Acrylic Emulsion</td></tr><tr><td>Solvent</td><td>: Water</td></tr></table>	Pigment	: Lightfast Non-lead Pigments	Binder	: Acrylic Emulsion	Solvent	: Water
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Solvent	: Water						
Volume Solids	White 41%, other colours will vary						
Drying Times	Single coat at standard thickness:						
<i>Touch Dry</i>	Dependent on temperature and humidity						
<i>Recoat</i>	1 - 2 hours						
Film Thickness	35 – 41 microns dry film thickness						
Theoretical Coverage	The spreading capacity of this product will vary considerably according to the roughness and porosity of the surface. On smooth surfaces of average porosity 10 – 12 m ² /litre.						

Application



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Thinning	
<i>Brush or Roller</i>	For normal use thinning is not usually necessary, but if required add up to 1 part of clean water to 10 parts of paint (10%).
<i>Conventional Spray</i>	For normal use thinning is not usually necessary, but if required add up to 1 part of clean water to 3 parts of paint (30%).
<i>Airless Spray</i>	Ready for use. Thinning is usually not required.
Spray Recommendations	
<i>Conventional Spray</i>	Satisfactory through most equipment.
<i>Airless Spray</i>	A typical set up for airless spray application would be a minimum working pressure on paint of 140 kg/cm² with a spray tip size 0.58mm and a spray tip angle 65°.
Cleaning Up	Clean all equipment with clean water immediately after use.
Surface Preparation	
Surface must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease or wax and be rubbed down using a suitable abrasive paper and dusted off. Treat areas affected by fungi or algae with Fungicidal Wash. If surfaces remain powdery or suffer from alkali attack after thorough preparation, seal with one coat of an appropriate sealer.	
System Information	Sealer (1 coat) Finish (2 coats)
<i>Powdery and Alkaline Surfaces</i>	Dulux Exterior Primer SB Dulux Weathershield Powerflexx Silk
<i>New, Normal, Sound Surfaces</i>	Dulux Exterior Primer WB
Performance Test Results	
VOC Content	<1 g/L as per USEPA 24 standard
Weathering Resistance	1,000 hours passed as per ASTM G154-16 standard
Alkali Resistance	100% Resistant as per ASTM D1308-02 standard
Adhesion Test	No peeling or removal via Tape Test as per ASTM D3359-17
Heavy metal content	<0.05 ppm as per ASTM E 1613-20-ICP AES/WLIP-028
Water Vapour transmission	Averaged 75.26 g/m² /24hours according to ASTM E96/E96M-16 methodology
Crack Bridging Ability	Cracks upto 3.8mm (width) were bridged as per BS EN 1062-7:2004 standard
Carbon dioxide permeability	Avg. carbon dioxide permeability 0.602 g/m², BS EN 1062-6:220 Method A Carbon dioxide diffusion resistance: Class C1
Health, Safety and Environment Information	Product Safety Data Sheet available upon request.

For further information or if you have any concerns about using this product, contact us at:

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