

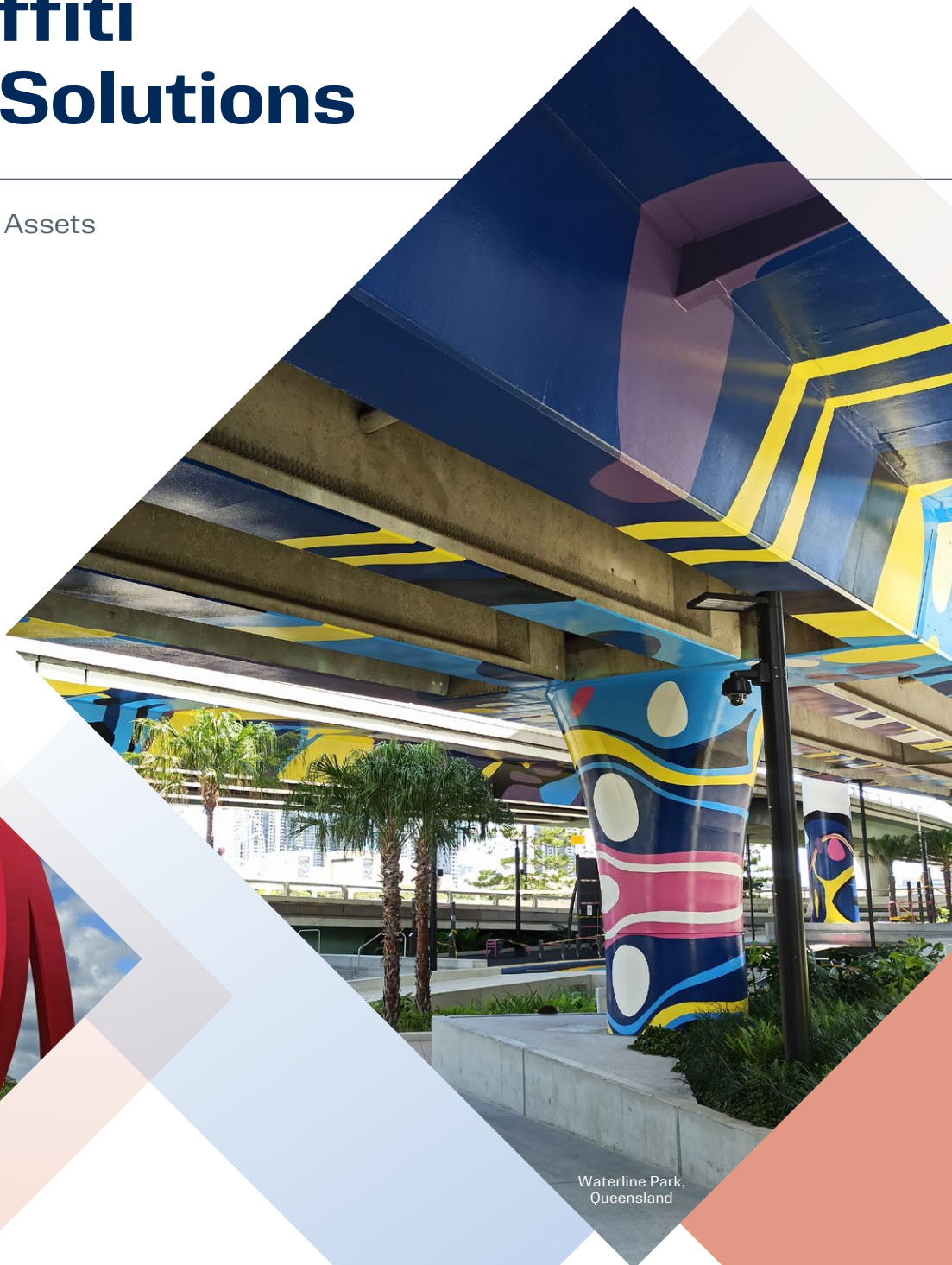
Industry Brochure

Anti-Graffiti Coating Solutions

Protecting Australasia's Assets



Yarrabilba
Art Installation,
Queensland



Waterline Park,
Queensland

Maximising the value and efficiency of our built environment requires protection against corrosion, chemical attack, abrasion, impact, weathering, and defacement. Areas of high visibility, such as train stations, fencing, factories, shopping centres, underpasses, overpasses and public spaces are exceedingly prone to graffiti attack as these places present a visible showcase for graffiti artists' markings.

An effective plan to maintain a clean and attractive environment supporting the preservation of property value includes an effective anti-graffiti protective coating system. Dulux Protective Coatings offers a range of anti-graffiti solutions to assist in the management of an asset. To ensure an appropriate system of protection there are key factors to consider, as referenced in the Dulux Protective Coatings Tech Note 3.6.1 on Anti-Graffiti Coatings - duluxprotectivecoatings.com.au/resources/technical-notes/

This brochure highlights a selection of Dulux Protective Coatings anti-graffiti solutions and examples where these solutions have been used to protect assets in Australia and New Zealand.



Non-Pigmented Coatings

Surfeshield® HD

Surfeshield® HD is a water-based graffiti resistant treatment for the protection of vertical surfaces from graffiti and pollution ingress. Surfeshield® HD is suitable for use where low odour and low solvent emissions are desired. Surfeshield® HD is a non-sacrificial graffiti resistant surface treatment allowing repeated graffiti removal after one application. Surfeshield® HD is non-film forming; it penetrates the porous surface providing an invisible hydrophobic and oleophobic layer. Graffiti on surfaces treated with Surfeshield® HD can be removed using a combination of graffiti removal agents and hot water pressure.



Benefits:

- Invisible – does not change the appearance of the original surface
- Keeps surfaces free of graffiti

Features:

- Protects vertical surfaces
- Barrier against both water based and oily stains and most types of graffiti
- Allows fast and cost effective removal of graffiti
- Vapour permeable film

Surfaceshield® FP

Surfaceshield® FP is a two component, non-sacrificial, waterborne fluoropolymer clear coat with excellent resistance to graffiti removing agents. The coating applies opaque on application and dries clear to ensure all sections of the surface are covered. Graffiti on surfaces treated with Surfaceshield® FP can be removed repeatedly once fully cured using a combination of graffiti removal agents and water.



Benefits:

- Low VOC and low odour suitable for confined spaces
- Can be used safely over painted surfaces such as Weathershield® and AcraShield®
- Keeps surfaces free of graffiti
- Wash up easily with water

Features:

- Waterbased / low VOC
- Overcoatable with light abrasion
- Excellent gloss retention
- Short recoat time with wet on wet application

Acrathane® IF Clearcoat

Acrathane® IF Clearcoat Gloss is a clear, isocyanate-free, catalysed acrylic finish for long term durability in both exterior and interior areas. Its isocyanate-free formulation is particularly useful for on-site spray application. Acrathane® IF Clearcoat Gloss is non-yellowing and crystal clear. Acrathane IF Clearcoat Gloss can also be applied directly to unpainted concrete for a “wet look” that is easy to clean.

Assessed and confirmed to meet all requirements on specific certified products for APAS 1441/1 and APAS 1441/3.



Benefits:

- Easy to apply – can be sprayed on-site
- Highly resistant to marring or marking
- Keeps assets free of graffiti

Features:

- Crystal clear
- Non-yellowing
- Excellent graffiti resistance - wipe clean with graffiti cleaners
- Isocyanate-free
- Smooth gloss finish

Durethane™

Durethane™ is a non-yellowing clear polyester urethane finish available in two gloss levels - high gloss and low sheen. Durethane™ has outstanding chemical and abrasion resistance and exterior durability.



Benefits:

- Surfaces are easily cleaned of graffiti
- Can be applied directly to concrete or as a clear coat over polyurethanes
- Protects surfaces from pollution and airborne chemicals

Features:

- Outstanding chemical resistance
- Resists moisture, grease, detergents and chemicals
- Excellent UV resistance
- Non-yellowing
- Excellent adhesion and abrasion resistance

Quantum® Clearcoat

Quantum® Clearcoat is a premium quality, high gloss crystal clear two pack acrylic polyurethane. Quantum® Clearcoat has been designed for superior weathering and gloss retention even in areas of extreme UV radiation. Quantum® Clearcoat is readily recoatable with minimal surface preparation. Quantum® Clearcoat, when fully cured, exhibits excellent graffiti resistance.



Benefits:

- Protects against defacement by graffiti
- Greatly extends the service life of Quantum® FX

Features:

- Outstanding weathering and chemical resistance
- Excellent application properties by spray
- Excellent graffiti resistance
- High gloss finish



Orbis Apartments,
Victoria

Pigmented Coatings

Acrathane® IF

Acrathane® IF is a high gloss, two-component, catalysed acrylic designed for long life. It is user friendly and can be recoated with itself after simply ensuring the surface is clean and has been lightly abraded. It is isocyanatefree and suited to on-site application. Acrathane® IF has good gloss and colour retention and therefore used for mobile equipment. Due to its chemical resistance, Acrathane® IF is suitable in chemical plants, oil platforms and refineries. Acrathane® IF is also widely used as a graffiti resistant finish on public spaces and infrastructure.



Benefits:

- Easy to apply and maintain
- Highly resistant to marring or marking
- High gloss and colour retention

Features:

- Available in the full range of Dulux Colour
- Specifier Colours and AS2700 colours
- Excellent graffiti resistance
- Isocyanate-free
- Good abrasion resistance
- Smooth gloss finish
- Can be sprayed on-site

Duration® T74

Duration® T74 is a premium, two component waterborne polyurethane topcoat that demonstrates excellent UV resistance and gloss retention. Duration® T74 is low VOC and low odour compared with solvent borne polyurethane topcoats. Duration® T74 can be used directly over Duration® Primers or over Dulux® solvent-borne epoxy primers, universal primers, epoxy intermediates and to aged, tightly adhering coatings with appropriate surface preparation.



Benefits:

- Suitable for projects designed under sustainability principles or guidelines
- Rapid dry for fast turnaround and return to service
- Low maintenance
- Maintains asset value
- Easy wash up with water

Features:

- Excellent UV resistance and gloss retention
- Short recoat time - 3 hours at 25°C
- Low VOC & low odour compared to equivalent solvent-borne systems
- Tintable – available in over 5,000 colours
- Smooth finish

Duration® T80

Duration® T80 is a premium, two component, waterborne, fluorinated polymer finish that demonstrates excellent gloss and colour retention and is designed for applications where extended service periods are required. This is delivered via a system with a low VOC content of less than 52 grams per litre. Duration® T80 can be used directly over Duration® Primers or over Dulux® solvent borne epoxy primers, universal primers, epoxy intermediates and to aged, tightly adhering coatings subject to necessary solvent resistance tests and appropriate surface preparation.



Benefits:

- Suitable for projects designed under sustainability principles or guidelines
- Rapid dry for fast turnaround and return to service
- Very low maintenance
- Maintains asset value
- Easy wash up with water

Features:

- Excellent UV resistance and gloss retention
- Very short recoat time when applying wet on wet
- Low VOC & low odour compared to equivalent solvent-borne systems
- Tintable – available in over 5,000 colours
- Very good graffiti resistant properties

Quantum® V92

Quantum® V92 is a premium quality, high gloss two-pack fluoropolymer topcoat that has been designed to deliver superior weathering and gloss retention in areas of high UV radiation. Quantum® V92 imparts a premium quality finish for high demand areas such as commercial facades, road and rail infrastructure, retail complexes, high rise offices and apartments. The long exterior durability of Quantum® V92 reduces cost for the asset owner by extending the time maintenance is required.



Benefits:

- Reduces maintenance cost by significantly extending the time between maintenance cycles
- Created to deal with Australia and New Zealand's high UV environments
- Easy application via spray, brush and roller
- Available in a large range of Dulux and AS 2700 colours

Features:

- Outstanding gloss and colour retention on exterior exposure
- Excellent graffiti resistance
- Good chemical and abrasion resistance
- Gloss or satin finish
- Available in tintable bases



Lachlan's Line Bridge,
New South Wales

Weathermax® HBR

Weathermax® HBR has been locally developed for high build roller or brush application. It is a high build recoatable polyurethane coating used over a wide range of suitably primed substrates such as mild steel, galvanised steel, concrete and aluminium. APAS 2911/1 assessed and confirmed to meet all requirements on specific certified products. Certificate of test to AS/NZS 1530.3:1999 available for specific coating system and substrates.

Assessed and confirmed to meet all requirements on specific certified products for APAS 1441/2 and APAS 1441/3.



Benefits:

- High durability and low maintenance
- Easy brush and roll application in situ
- Easy to keep assets free of graffiti
- Maintains asset value

Features:

- Excellent brush & roller application
- Can be spray applied up to 125-microns DFT in a single coat
- Superior gloss and colour retention
- Excellent resistance to most graffiti media and cleaning agents
- Tintable - available in over 5,000 colours
- Accelerator available for use in cooler conditions

Case Study Queen's Wharf mural 'Floodlines', Queensland

A disused space in the heart of Brisbane's CBD has been given a new lease on life, with a little help from Dulux® Protective Coatings. Part of Brisbane's major Queens Wharf redevelopment, the new Waterline Park is located on the site of a former concrete car park, which has been transformed into a bright recreational space attracting locals and tourists alike.

Located along a 500-metre stretch of land underneath the Riverside Expressway, Waterline Park sits on edge of the Brisbane River between William Street and Mangrove Walk. This formerly unusable area now features a climbing wall as well as a dedicated lane for cyclists to link through the space from the city to the Bicentennial Bikeway. The new design aims to facilitate active leisure and relaxation for workers during the week, as well as family-oriented recreational pursuits on weekends.

Location: Brisbane, Queensland

Contractor: All City Walls

Featured Product: Dulux® Weathermax® HBR



Anti-Graffiti range data summary

	Product	Chemistry	Curing Methodology	Finish	Isocyanate Free	VOC (g/L)
Non-pigmented Coatings	Surfaceshield® HD	Co-polymer	Water-based	Transparent	Yes	< 75
	Surfaceshield® FP	Fluoropolymer	Water-based	Gloss or Satin	No	< 54
	Acrathane® IF Clearcoat	Catalysed Acrylic	Solvent-based	Gloss or Low Sheen	Yes	< 570
	Durethane™	Polyester Urethane	Solvent-based	Gloss or Low Sheen	No	< 490
	Quantum® Clearcoat	Polyurethane	Solvent-based	Gloss	No	< 510
Pigmented Coatings	Acrathane® IF	Catalysed Acrylic	Solvent-based	Gloss	Yes	< 520
	Duration® T74	Polyurethane	Water-based	Gloss or Satin	No	< 98
	Duration® T80	Fluoropolymer	Water-based	Gloss or Satin	No	< 52
	Luxathane® DTM	Polyurethane	Solvent-based	Gloss	No	< 430
	Luxathane® HPX	Polyurethane	Solvent-based	High Gloss	No	< 410
	Luxathane® SPX	Polyurethane	Solvent-based	Satin	No	< 430
	Quantum® V92	Fluoropolymer	Solvent-based	Gloss or Satin	No	< 335
	Weathermax® HBR	Polyurethane	Solvent-based	Gloss	No	< 280

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