

# PRODUCT TECHNICAL DATA SHEET



PDS No: 9056

## Product Details

Product Code:

Product Name: **DURAsilk Advanced Protection**

Other Name(s):

## Description

DURAsilk Advanced Protection is an ultra premium, high opacity waterbased enamel finish for interior walls in kitchens and bathrooms with superior anti-microbial activity. Specifically formulated to provide a smooth, low sheen finish with superior coverage and washability that is suitable for wet areas.

DURAsilk Advanced Protection is a hard wearing water based enamel in a satin finish designed for use especially on wet areas such as kitchens, bathrooms and laundries. May also be used on trim where a satin finish is required. DURAsilk Advanced Protection is highly durable and specially formulated to provide protection against mould and bacteria. DURAsilk Advanced Protection is fast drying, non yellowing, has a very low odor and cleans up in water.

DURAsilk Advanced Protection contains a silver containing biocide that has a broad microbiological activity against bacteria, moulds and yeasts, including the following organisms that may cause infection and deterioration.

### Typical Spoilage Organisms

Bacteria	Moulds	Yeasts
Aeromonas hydrophila	Aspergillus oryzae	Candida valida
Alcaligenes faecalis	Chaetomium globosum	Rhodotorula rubra
Cellulomonas flavigena	Cladosporium cladosporoides	Saccharomyces cerevisiae
Corynebacterium ammoniagenes	Geotrichum candidum	
Enterobacter aerogenes	Paecilomyces variotii	
Escherichia coli	Penicillium ochrochloron	
Klebsiella pneumoniae		
Proteus vulgaris		
Providencia rettgeri		
Pseudomonas aeruginosa		
Pseudomonas stutzeri		
Serratia liquefaciens		

**“This product demonstrates anti-bacterial properties, with antimicrobial activity measured against Staphylococcus aureus (R > 5 : ISO 22196:2011)”**

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### Features and Benefits

For wet areas such as bathrooms where a hard wearing finish and resistance to moisture is required. Also excellent for timber doors, architraves, skirting's, window frames and exterior trim.

This product would be suitable/recommended for those who have asthma or certain sensitivities or allergies.

- Broad microbiological activity against bacteria, moulds and yeasts,
- Abrasion resistant
- Easy application
- Excellent flow and application properties
- Mould Resistant
- Smooth, low sheen finish
- Spatter free
- Superior hiding power
- Washable

### Limitations and Precautions

Do not apply when the surface temperature is below 10°C or above 35°C.  
Do not apply to a bare surface.

### Physical Properties

<b>Resin Type</b>	Unique crosslinking acrylic
<b>Colour</b>	White & Tinted Colours
<b>Gloss at 60° viewer</b>	Low Sheen
Typical gloss terminology:	
Full gloss	85% – 100%
Gloss	70% – 85%
Semi-gloss	35% – 70%
Satin	25% - 30%
Low sheen	5% – 19%
Flat	0% – 4%
<b>Specific Gravity(Kg/Ltr)</b>	1.352
<b>Coverage (m<sup>2</sup>/Ltr)</b>	12
<b>No. of coats</b>	Two
<b>Recommended Film Thickness (WFT)</b>	100 µm / coat
<b>Dry Times(Touch Dryat 20°C and 60%RH)*</b>	30 minutes
*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)	
<b>Recoat time</b>	2 hours
<b>Flash Point</b>	Not applicable
<b>Packaging Sizes</b>	10L,4L
<b>Thinner and cleanup</b>	Water
<b>Theoretical VOC(g/L)</b>	38

## Surface Preparation

Ensure surfaces are free from loose or flaky paint. Wash surfaces with Sugar Soap prior to painting to remove oil, grease, dirt, and other contaminants. Where there are areas of mould, treat with Bio Wash. Old enamels will require fine sanding to a uniform dull finish.

Fill cracks and imperfections with a suitable filler and painted with either APCO AQUAprep Undercoat or APCO Pigmented Sealer.

Previously painted surfaces should be sanded (180-20 grit sandpaper) to remove loose or flaking paint and to reduce the previous film to a flat finish.

## Undercoat Requirements

### Timber, Particle Board, Customwood

Prime with water based pigmented sealer.

### Gib, Fibrous Plaster

Apply 1 coat of APCO Pigmented Sealer

### Previously Painted Surfaces

Prime any areas of bare wall or ceiling with Pigmented Sealer

## Application and Process

Apply by brush, roller or airless spray. Apply two liberal coats, at the recommended coverage rate, to a properly prepared surface. Allow at least 2 hours dry time before sanding and applying a second coat. To keep brushes and rollers working freely, rinse occasionally with clean water.

### For Best Results:

1. For walls that are discoloured or if the previous paint is very old, first apply one coat of APCO Pigmented Sealer then lightly sand the entire surface before applying two coats of DURAsilk Advanced Protection.
2. Apply liberal coats by brush, roller or spray un-thinned, maintaining a wet edge.
3. Use good quality brushes and rollers.

DURAsilk Advanced Protection may be spray. Airless Spray - a 415 or 515 tip is recommended. Roller Sleeve - a 6mm nap micro fibre roller is recommended.

### Timber, Particle Board, Customwood

1. Prime with water based pigmented sealer.

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2. Apply 2 coats of DURAsilkSatin Kitchen and Bathroom in required Colour

### **Gib, Fibrous Plaster**

1. Apply 1 coat of APCO Pigmented Sealer
2. Lightly sand and dust off
3. Apply 2 coats of DURAsilk Advanced Protection in required colour

### **Previously Painted Surfaces**

1. Remove any flaking paint on the surface and sand to a smooth finish
2. Prime any areas of bare wall or ceiling with Pigmented Sealer
3. Old enamels require washing down with Sugar Soap and fine sanding to a dull finish
4. Apply 2 coats of DURAsilk Satin Kitchen and Bathroom in required colour

## Health and Safety

Please refer to Safety Data Sheet before use

Use in well ventilated areas

### **First Aid:**

Eyes and Skin irritation – Wash with large amounts of fresh running water

If swallowed – drink 2-3 glasses of water and seek appropriate medical advice.

Inhalation-In case of exposure to high vapour concentration leading to dizziness, nausea, headache, move the person to fresh air environment and consult a doctor

DURAsilk Advanced Protection is a water reducible non toxic coating. It is non flammable and requires no specific handling. We recommend the use of a barrier cream for hands when applying.

Transport	:	N/A
Class	:	N/A
Hazchem	:	N/A

## Storage

Avoid freezing or temperatures in excess of 50°C

Self Life 12 Months

## Spillage and Disposal

Use rags or sawdust to contain any spill and then dispose of through a commercial waste disposal organisation.

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*Please refer to the updated versions of Safety data sheet(SDS) and Technical Data sheet (TDS) before using any **APCO** Product.*

**KEEP OUT OF REACH OF CHILDREN**

**APCO Coatings (NZ) Limited**

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