

## PRODUCT TECHNICAL DATA SHEET

PDS No: 9032

### Product Details

<b>Product Code:</b>	<b>20000</b>
<b>Product Name:</b>	<b>SUNShield</b>
<b>Other Name(s):</b>	Self Priming Exterior Waterborne Acrylic with Weather Protection with Anti-corrosive Properties

### Description

A premium 100% acrylic self priming exterior paint providing a tough flexible finish for long life protection. This product has been formulated specifically for all exterior surfaces such as roofs, weatherboards, fibre cement, concrete, plaster brick, zincalume, galvanized iron, timber decks\*, pergolas and fences.

#### Uses

May be used on suitably prepared:

- Weatherboards
- Galvanized Iron
- Concrete Blocks
- Steel
- Timber
- Fibre Cement Products
- Textured Surfaces
- Hardiflex
- Plywood
- Concrete
- Zincalume

### Features and Benefits

- Excellent durability and gloss retention
- Exceptional intercoat adhesion
- Excellent flexibility
- Resists dirt pick up
- Suitable for potable water
- 100% acrylic polymer composition.
- Excellent adhesion to alkyd, galvanized iron, timber, concrete and masonry.
- Low Odor and VOC; APEO-free<sup>(1)</sup>.
- Excellent efflorescence resistance.
- Resistance to “flash” rusting corrosion and very good block resistance.
- Excellent mechanical stability and stable in the presence of zinc oxide.
- High performance over a broad range of substrates eliminating the need for separate primers.
- Excellent UV and weathering resistance.

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## Limitations and Precautions

- Should not be applied if temperatures are below 5°C
- Dry time may be impeded if the relative humidity is high

## Physical Properties

<b>Resin Type</b>	Acrylic Emulsion
<b>Pigmentation</b>	Titanium Dioxide and Inert Extenders
<b>Colour</b>	White and APCO Colour World colours or Custom Colours
<b>Gloss at 60° viewer</b>	Available in:
Typical gloss terminology:	<ul style="list-style-type: none"><li>• Semi-gloss</li><li>• Low sheen</li></ul>
Full gloss	85% – 100%
Gloss	60% – 84%
Semi-gloss	20% – 59%
Low sheen	5% – 19%
Flat	0% – 4%
<b>Specific Gravity(Kg/Ltr)</b>	1.2 – 1.4
<b>Coverage (m<sup>2</sup>/Ltr)</b>	12 - 14
<b>No. of coats</b>	Two
<b>Dry Times(at 20°C and 60%RH)*</b>	30 min
*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)	
<b>Recoat time</b>	2 hrs
<b>Flash Point</b>	Not applicable
<b>Packaging Sizes</b>	10L,4L
<b>Thinner and cleanup</b>	Water
<b>Theoretical VOC(g/Ltr)</b>	25

## Surface Preparation

Ensure surfaces are free from loose or flaky paint. Wash surfaces with Bio Wash. Wash prior to painting to remove oil, grease, dirt, mould and other contaminants. Remove all dirt, dust, grease, mould or any other form of contamination from the surface. Fill cracks and imperfections with a suitable filler and spot prime. 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

Self priming

## Application and Process

SUNshield may be applied by synthetic brush, roller or spray.

Airless Spray - a 415 or 417 tip is recommended for weatherboards and smooth surfaces,  
and a 517 tip is recommended for textured surfaces, followed by back-rolling.

### Weatherboards - pre primed

- Apply 2 coats of SUNshield, allowing 2 hours between coats

### New Timber

- Apply 1 coat of Aquaprep or SUNshield, allowing 2 hours before recoating
- Apply 2 coats of SUNshield, allowing 2 hours between coats

### Repaints

- Sand existing paint work and spot prime bare wood with Aquaprep or SUNshield
- Apply 2 coats of SUNshield, allowing 2 hours between coats

### Concrete Blocks

- Where porous, seal with a concrete block sealer thinned out with water 50/50.  
Apply a second full coat of concrete block sealer (not thinned).
- Apply 2 full coats of SUNshield

### Fibrous Cement, Concrete Slab, Concrete Tiles and Bricks

- Seal with SUNshield. For very smooth or powdery surfaces, seal with Aquaprep
- Apply 1 or 2 coats of SUNshield

### Galvanized Surfaces

- Treat with galvanised chemical wash as per instructions if surface is in good condition. Any signs of rust should be removed and spot primed with an anti-corrosive primer  
Allow to dry
- 3. Apply 2 coats of SUNshield

## 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

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SUNshield 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	:	UN No. : 1263
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.

*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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