



#### Description

Solaflex PCM Low Sheen is an ultra-tough, UV and fade resistant roofing membrane with outstanding adhesion, water resistance and long-term durability. It is hard wearing, highly weather resistant and specifically designed for the restoration of weathered cement tiles and metal roofing.

Solaflex PCM Low Sheen has outstanding resistance to weathering, especially in dark colours. The formula is based on our propriety Dirtguard technology and is coloured with highly treated light stabilised in-organic pigments that ensure its rich depth of colour will be retained for the life of the paint.

It is a smooth, nonabrasive finish that gives off a warm, subtle, and very natural glow that transforms an aged cement tile or metal roof into an aesthetically pleasing weather resistant roof that will keep that just painted look and street appeal for up to three times longer than any other roofing.

#### Principal Uses

Correctly prepared cement tiles and metal roofing. Do not use this product for any other purpose than that specified in our literature.

### Features

#### Superior UV & Fade Resistance

The product is formulated with our exclusive Dirtguard Technology that delivers a new level of durability to the coating. It employs aerospace industry polycarbonate technologies to give molecular level protection against damage from UV light, water and environmental contaminants. Outstanding adhesion, flexibility and mould resistance is designed into the coating utilising over four decades of formulation experience with our harsh Australian conditions. It is highly abrasion resistant with a silky-smooth surface that is soft to the touch. Dirt, dust and contaminants wash away easily from its surface, maintaining that freshly painted look over long periods of time.

Further to enhance this performance is the incorporation of UV light absorbers and antioxidants, that combined, guarantee maximum fade resistant performance in any weather condition throughout Australia.

#### Highly Flexible & Water Resistant

Solaflex PCM Low Sheen is permanently flexible and ensures crack free adhesion is maintained during substrate movement caused by changes in climatic conditions. This crack free performance ensures the substrate will be free from the ingress of water, salts and other environmental contaminants.

#### Excellent Washability & Stain Removal

Dirtguard 301 polycarbonate technology renders the paint film highly resistant to the ingress of water and environmental contaminants, this along with highly treated, non-absorbent pigmentation means that dirt and dust will not readily penetrate and stain the paint film. Dirt, dust and environmental contaminants will wash away easily to maintain a freshly painted look over long periods of time.

#### Self-Priming on Most Surfaces

Solaflex PCM Low Sheen is an adhesion promoted product that provides outstanding adhesion without the use of a primer on most metal and concrete surfaces. However, on aged or degraded surfaces such as, where rust is present on galvanized metal, and or where the surface has a previously applied and degraded existing paints. Specific surface preparation, sealer and or primers are required. See surface preparation section below.

### Mould & Mildew Protection

Solaflex PCM Low Sheen incorporates topical strength anti-mould and mildew protection that will resist film growth even throughout Australia's tropical regions such as far North Queensland.

### Australian Made and Owned

Astec Paints are an Australian owned and operated company that has been manufacturing premium finishes for the building and home restoration industries since 1978. For over four decades we have produced our entire product range in our South Australian plant. We are proud of what we make and that our products can carry the Australian Made and Owned Logo.



## Technical Data

Clean-up	Water
Coverage	Up to 12 m <sup>2</sup> /litre, surface dependant. Spread rate will be lower on rough and or absorbent surfaces.
Masonry	7.0-8.0 m <sup>2</sup> /ltr (single coat)
Brick	7.0-8.0 m <sup>2</sup> /ltr (single coat)
Concrete Block	6.0-7.0 m <sup>2</sup> /ltr (single coat)
Corrugated Metal Roofing	5.4-6.4 m <sup>2</sup> /ltr (single coat inc substrate profile)
Cement Tiles	4.5-5.5 m <sup>2</sup> /ltr (single coat inc substrate profile)
Shingles / Slates	6.0-7.0 m <sup>2</sup> /ltr (single coat inc substrate profile)
Cement Sheet	8.0-10.0 m <sup>2</sup> /ltr (single coat)
Textured Surface	7.0-8.0 m <sup>2</sup> /ltr (single coat)
Recommended Thinners	Water
Thinning	Up to 10 % for Spray applications
Volume Solids.	42.1%
Recoat Time	Touch dry in 30 minutes / Recoat 2 hours
Sheen Level	6.8 % @ 60 degrees
V.O.C	<50 GI
QUV Accelerated weathering (3972 hrs UVB / Moisture 60 deg C Colour (Black)	>98% Gloss Retained
Water Transmission Resistance (AS/NZS 4548.5-1999)	<1 g/24h/m <sup>2</sup> /kPa
Water Vapour Transmission (AS/NZS 4548.5-1999)	112.00 g/m <sup>2</sup> /24 hour:
Elongation @ 25 deg / C	685 %
Tensile Strength	4.27 mpa, max strain
Specific Gravity	1.222
PVC	24.0%

### Cleaning

1. All surfaces must be clean, dry, structurally sound and correctly sealed prior to any topcoat application.
2. Ensure down-pipes to rain-water tanks and storm water are disconnected before cleaning.
3. The surface should be high pressure water cleaned to remove the moss, lichen and chalky surface, ensuring that all mould deposits are removed from the leading edge and shoulders of the tiles. The most suitable nozzle to achieve the best results on concrete tiles is a Kranze Turbo Nozzle. Any deposits of grease, oil or silicone must be removed.
4. Structural defects to areas such as the ridge capping should be correctly repaired by re-bedding or re-pointing, any defective tiles should be replaced.

### Mould Treatment

- Apply one coat of Astec Barrier to the entire roof surface with a low-pressure backpack, or airless spray unit. When applying Barrier, you need only to dampen the surface ensuring efforts are made to contact all shoulders and edges of the tiles. Astec Barrier will effectively retard any dormant mould spores in the substrate that can cause under film mould spoilage, Barrier is an extremely low-cost solution that adds years of service free life to concrete roof restoration.

### Sealing

- The pressure cleaned surface of the tile should be checked for surface integrity before the selection of the correct sealer.
- If the surface is clean, but when rubbed continues to produce a powder on your finger. It means that the original factory finish has weathered to a point where it is under-bound. This is most common with Monier roofing tiles and needs to be re-bound to ensure top-coat adhesion.
- Powdery surfaces require the application of one coat of Astec Multi-Seal. Multi-Seal has an exceptionally low surface tension and will penetrate and bind the chalky surface prior to top-coating. Apply one coat of Astec Multi-Seal at a coverage rate of no more than 6 m<sup>2</sup> per litre.
- Surfaces that do not produce a powder when rubbed are seen as normal and should be sealed with one coat of Astec Tile Sealer. Apply one coat of Astec Tile Sealer at a coverage rate of no more than 6 m<sup>2</sup> per litre.
- Apply one full, wet coat of Astec Cap Seal to any fresh mortar repairs. Cap Seal is highly resistant to alkali attack from green mortar, and when applied to fresh cement, protects the topcoats from lime burn and leaching salts. It is imperative that Cap Seal is used under Tilesield on fresh mortar repairs to eliminate any chance of unsightly top-coat white out.
- If Unsure, Contact Astec for the correct preparation technique, sealers, primers and undercoats before proceeding.

### Specification for Aged Cement Tiled Roofing

Refer Astec a-Spec No. APA 2062

All surfaces must be clean dry and free of contaminants. Remove dirt, dust and any grease with a household detergent. Scrape of any loose or flaking paint on existing painted surfaces then sand any remaining paint to a flat finish. Any existing paint that exhibits a complete lack of adhesion should be entirely removed for the best results. Wipe down with a damp cloth to remove any dust. Where it is not possible to completely remove all chalk or contaminants from the surface, apply Astec Multi-seal, which will bind the surface to a hard finish prior to painting. Rusted surfaces or nail heads should be treated with Astec Rus-traint then spot primed with Astec B-16 IR Grey Anti-corrosive primer.

### New Galvanised Iron or Colorbond steel

Wipe clean and remove any grease with Astec Enviro-clean. Apply one very thin coat of Energy Star B-16 IR Grey or AC3 Anti-corrosive primer.

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### Aged Corroded Galvanised Iron or Colorbond

Remove any excessive rust with a scraper, wire brush or by sanding. Wipe clean and remove any grease with Astec Enviroclean. Apply Astec Rus-traint to application details on its can. Apply one coat Energy Star B-16 IR Grey or AC3 Anti-corrosive primer.

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### Mould Infested Areas

Wash down using a stiff brush with (Chlorine) or a household bleach and water to remove the mould. Apply one coat Astec Barrier.

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### Aged Metal Roofing Specifications

Refer Astec a-Spec No. APA 2046 / APA 2053 / APA 2057

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## Application Data

### Application

Stir well before use with a flat paddle or with a metal paint wacker using an up and down scooping action. Apply two coats Solaflex PCM Low Sheen with a good quality synthetic brush or new unused 10 to 12 mm synthetic roller cover. For airless spray applications use a 518 to 523 tip. NOTE: the number of coats required to achieve full cover will depend on the primers and sealers used during preparation, application technique and/or the underlying substrate colour. Do not apply to surfaces that have had wax or silicone-based materials previously applied. Do not apply when ambient temperature is below 10°C, above 35°C or when humidity is extremely high.

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### Limitations

Solaflex PCM Low Sheen is a water-based material, therefore should not be applied during inclement weather or when precipitation or freezing are imminent.

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### Pack Sizes

4 Ltr / 10 Ltr / 15 Ltr / 20 Ltr

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## Paint Disposal

Do not pour left over paint down the drain. Brush any leftover paint onto newspaper and allow to dry in a well-ventilated area. Dispose of the dry paint via domestic waste disposal. Empty cans should be left open and allowed to dry then disposed of in accordance with your local recycling legislations.

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## Safety Direction

Keep out of reach of children, provide adequate ventilation during use and do not dispose of left-over paint in any drainage systems.

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## First Aid

### Eye Contact

Irrigate continuously with water for fifteen minutes holding eyelids open. Seek Medical advice.

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### Swallowed

Contact a doctor or Poisons Information Centre immediately. Do not induce vomiting. Give a glass of water. If vomiting does occur, place victim's face downwards at low level to prevent vomit entering lungs. Contact Astec for the relevant Material Safety Data Sheet.

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### Disclaimer;

The technical data is based on data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and is subject to change without notice. This information is given in good faith for the assistance of users. All warranties express or implied are excluded and Astec makes no representation as to the accuracy, completeness or otherwise of the technical data. Every person dealing with the product does so at their own risk and must make their own independent determination of suitability and compliance to ensure their proper use. Astec has no control over the condition under which the products are stored, handled, used or applied, therefore our recommendations do not amount to a legal warranty and Astec accepts no responsibility if the recommendations are not followed or complied with.