

Surface conditioner and sealer/binder for pressure washed concrete roof tiles.

WM2071



Description

Tile Sealer is a blend of fine particle sized pure acrylic resins and proprietary surfactants specially formulated as a penetrating sealer/binder for freshly cleaned concrete roofing tiles prior to the application of a protective topcoat membrane.

It is a low VOC water-based formula that is used in the roof restoration industry to bind any loose micro surface contaminants that remain after pressure cleaning and condition the surface ready for the protective topcoat application. Tile sealer ensures that the surface is well bound and free of contaminants that can ultimately cause adhesion failure of a subsequent protective finish.

Principal Uses

Sealer/binder surface conditioner for previously pressure cleaned concrete roof tiles. Sealer for any cleaned masonry surface, such as render and cement sheet.

Features

Highly Alkaline Resistant

Tile Sealer is highly tolerant to new green alkaline cement substrates and provides tenacious adhesion even under these conditions and guarantees strong inter coat adhesion with the following topcoat membranes.

High Under Foot Tack for a Safe Non-Slip Applicator Surface.

Tile Sealer, even when dry and cured remains tacky and helps provide strong under foot traction for Tradesmen during topcoat application.

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

Colour	Light blue
Gloss level	Low Sheen
Drying Time at 25°C	30 mins ~ 1 Hour
Recommended thinners	Water, (do not thin)
Recoat time at 25°C	1 hour.
Spread rate at 80 mic/dft	3.5 m ² per ltr
Specific gravity	1.065
Solid content	28% W/W
P.V.C.	0.0 % W/W
VOC	<5 g/l

Limitations

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Tile sealer is a water-based material, therefore should not be applied during inclement weather or when precipitation or freezing are imminent.

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 m² per litre.
- Surfaces that do not produce a powder when rubbed are deemed 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 m² 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 or Solaflex 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

Application Data

Application

1. Stir well before use with a flat paddle or with a metal paint wacker using an up and down scooping action.
2. Apply one full wet coat of Tile Sealer, to the entire roof surface. (Coverage rate not to exceed 6m² per litre). WFT 80 microns.
3. The above coverage rates include average substrate profile area for concrete tiles.
4. For airless spray applications use a 518 to 523 tip.
5. 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.

Pack Sizes

1 Ltr / 4 Ltr / 10 Ltr / 15 Ltr / 20 Ltr

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.

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. Avoid contact with the skin and eyes, and avoid breathing the vapour, spray mist or dust. Wear suitable protective clothing including rubber or PVC gloves and safety goggles. An organic vapour cartridge respirator should be worn.

First Aid

Eye Contact

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

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.