

[TECHNICAL BULLETIN]

ASTEC PROTECTIVE SEALERS, PRIMERS AND UNDERCOATS

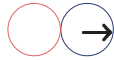
A SPECIALTY FORMULATION FOR CONCRETE ROOF RESTORATION

Tile Sealer

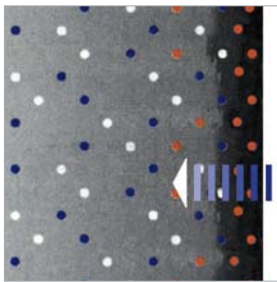


PRODUCT TYPE

Acrylic Co-polymer.



DESCRIPTION / USE



1.1 Sealing/binding action of
Astec Tile Sealer

Tile Sealer is a blend of fine sized particles of pure acrylic resins specially formulated as a penetrating sealer/binder that is applied to freshly cleaned concrete roofing tiles prior to the protective top-coat. Tile Sealer was designed to minimize the possibility of adhesion failure due to lack of penetration of the top-coat. Often the pigmented top-coats that are applied to concrete roof tiles during the restoration process are too high in viscosity and pigment volume concentration to enable the correct penetration of the material into the micro pores of the existing surface. The application of Tile Sealer will ensure long term adhesion of the top-coat at an extremely low investment cost.

Tile Sealer is used as the first coat sealer/binder for pressure washed concrete tiles or any powdery masonry surface requiring sealing.

PROPERTIES

Tile Sealer is a surface binder that penetrates concrete roofing tiles and locks firmly to the aged factory finish. The material is designed to dry leaving a tacky film surface to promote good

intercoat adhesion with the final protective coatings. It is a rapid drying material that can be over painted within 30 minutes and exhibits the necessary low temperature film set properties for year round application required in the roofing industry.

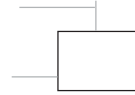


Astec Paints are a 100% Australian owned company committed to the research and development of technologically advanced coatings that provide premium durability against our harsh Australian conditions. Our coatings are manufactured with high regard for worker safety and environmental care and will provide you with absolute confidence in long term performance.



Tile Sealer

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PROPERTIES



Tile Sealer is manufactured to a pale green colour assisting the applicator to distinguish that a single even film is applied across the entire surface, commonly difficult to achieve with transparent sealers. The viscosity control is balanced to suit positive penetration of the various surfaces encountered in the concrete roofing industry. These surfaces can range greatly from newer tiles, where the surface is prone to continual powdering even after pressure washing, to older surfaces that are more porous and may have lost part or all of their factory pressed finish.

PREPARATION

All surfaces must be clean, dry, and structurally sound prior to any sealer application. 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 nozzle Astec recommend to achieve best results on concrete tiles is the Kranze Turbo Nozzle. Any deposits of grease, oil or silicone must be removed. Structural defects to areas such as the ridge capping should be repaired by rebedding or repointing and any defective tiles be replaced.

APPLICATION

Apply two coats of **Astec Barrier** to the entire roof surface with a back pack or garden spray unit. When applying Barrier you only need 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, existing within the substrate that cause underfilm mould spoilage.

Apply one full wet coat of **Astec Cap Sealer** to any fresh mortar repairs. It is imperative that Cap Sealer is used under Solaflex on fresh mortar repairs to eliminate unsightly white out of the top-coat over the capping areas.

Apply one coat of **Tile Sealer** at a coverage rate of no more than 6m² per litre. Tile Sealer will penetrate and bind any chalky or soft surface on the tile ensuring optimum adhesion of the top-coats.

NOTE: TILE SEALER IS A WATER BASED MATERIAL, THEREFORE SHOULD NOT BE APPLIED DURING INCLEMENT WEATHER OR WHEN PRECIPITATION OR FREEZING ARE IMMINENT.



Tile Sealer

PRODUCT DATA



■	Colour	Light Green
■	Drying time @ 25°C	30 minutes
■	Recommended Thinners	Water
■	Recoat time @ 25°C	1 hour
■	Theoretical spread rate	5m ² per litre substrate dependant
■	Specific Gravity @ 25°C	1.09
■	Solids Content	20% w/w
■	Packaging	1ltr, 4ltr 10ltr cans 20ltr, 200ltr drums

PRECAUTION FOR USE / SAFETY

Avoid contact with skin and eyes, always use a respirator during spray applications.

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Your nearest Astec Paints distributor is:



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