

(TECHNICAL BULLETIN)

ASTECS PROTECTIVE SEALERS, PRIMERS AND UNDERCOATS

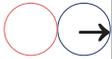
A SPECIALTY FORMULATION FOR CONCRETE ROOF RESTORATION

Cap Sealer



PRODUCT TYPE

Acrylic Co-polymer.



DESCRIPTION / USE

Cap Sealer is a pale blue, water-based acrylic composition specially formulated as a response to growing demand from the roof restoration industry. Many roof restorers throughout Australia have experienced minor project failures where coatings supplied by various manufacturers were used in the restoration process of aged concrete roof tiles. During this restoration process, ridge capping repairs are carried out on broken bedding mortar with fresh sand and cement mix. Once repairs are complete the new protective top-coat is applied, often prematurely exposing it to green uncured mortar, lime burn, high alkalinity and leaching salts. Over a period of time this exposure can cause unsightly white out of the colour pigmentation in the coating, especially when dark colours have been applied.

Acrylic roofing top-coats are renowned for their resistance to these conditions, however, the circumstances and timing surrounding their use in roof restoration has highlighted the necessity for additional resistance over fresh mortar repairs. In light of this, Astec Paints has formulated Cap Sealer as a low cost solution to resist these conditions.

Cap Sealer has exhibited flawless performance in completely eliminating capping white out, ensuring lasting project success everytime.

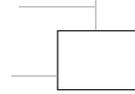


Astec Paints are a 100% Australian owned company committed to the research and development of technologically advanced coatings that provide premium durability against our harsh Australian conditions. Our coatings are manufactured with high regard for worker safety and environmental care and will provide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



Cap Sealer

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ASTEC PROTECTIVE SEALERS, PRIMERS AND UNDERCOATS

DESCRIPTION / USE

Cap Sealer was designed principally as white our barrier for top-coats to fresh cement repairs but has also found considerable use on concrete roof tiles that have lost their smooth factory finish from extreme weathering, with part or all of their rough base aggregate exposed. In this case Cap Sealer acts as a high fill sealer to restore a sound, smoother substrate prior to top-coating and enhances the finish of the new protective coating.

PROPERTIES

Cap Sealer is applied to concrete ridge capping to act as a barrier between the fresh cement repairs and the new protective top-coat and should be allowed to dry prior to any top coat application. The formulation offers rapid film setting properties, assisting year round application and top-coating to proceed without delay. Cap Sealer dries to a tacky film surface assuring correct intercoat adhesion with sealers and top-coats, bonding with tremendous adhesion to the substrate. Cap Sealer is highly resistant to alkali attack from green mortar and, when applied to fresh cement, protects the top-coats from lime burn and leaching salts.

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 ridge capping should be repaired by repointing or rebedding and any defective tiles should 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.



Cap Sealer

PRODUCT DATA

■	Colour	Light Blue
■	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	1.025
■	Solids Content	37% w/w
■	Packaging	1ltr, 4ltr 10ltr cans 20 ltr drums

APPLICATION

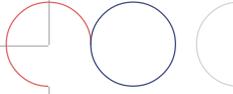
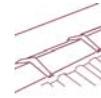
Apply one full wet coat of Cap Sealer to any fresh mortar repairs. It is imperative that Cap Sealer is used under Solaflex on fresh mortar repairs to eliminate unsightly white out of the top-coat over the capping areas.

Apply one coat of Astec 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: CAP SEALER IS A WATER BASED MATERIAL, THEREFORE SHOULD NOT BE APPLIED DURING INCLEMENT WEATHER OR WHEN PRECIPITATION OR FREEZING ARE IMMINENT.

PRECAUTION FOR USE / SAFETY

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



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