

A Cathodic Barrier with Outstanding Adhesion to New Metal Surfaces

WM2055



Description

B16 Primer is a premium grade, quick dry synthetic alkyd anti-corrosive primer, designed for use on all correctly prepared metal substrates. It is adhesion promoted for outstanding direct to substrate adhesion and provides excellent adhesion even on difficult substrates such as aluminium.

B16 Primer has excellent inter-coat adhesion with acrylic topcoats and contains flash rust inhibitors to allow the primer to be applied direct to steel without the threat of flash rust forming beneath the applied primer. Furthermore, has excellent flexibility and copes well with the dimensional instability of metal roofing sheet.

Principal Uses

Mist primer for adhesion of new topcoats to new galvanized metal, shop primer for new construction steel, for the priming of difficult substrates such as aluminium and for previously painted corroded metals after the preparation and treatment of the corroded areas with Astec Rust-trait.

Features

Provides Strong Cathodic Protection.

The product contains high levels of zinc phosphate anti-corrosive pigments accommodating maximum weather exposure experienced by substrates such as metal roofing decks. Zinc Phosphate provides cathodic protection and chemically prevents iron from reacting with oxygen in the air to form rust. Higher than normally required levels of Zinc Phosphate are incorporated in the primer for added resilience to the high levels of electrolysis experienced on substrates such as metal roofing decks.

Properties

B16 Primer is a resin rich anti-corrosive primer manufactured as a concentrate to enable long-term storage without the normal hard settle of the red oxide and zinc phosphate pigments that is normally associated with anti-corrosive primers.

B-16 Primer is a fast-drying solvent-based material that is manufactured to exceptionally fine mill tolerances. This fine milling process ensures continual ease in spray application resulting in even wet films builds across an entire surface. This formulation is resin rich therefore, adheres extremely well to bare steel and galvanised sheet. B-16 Primer promotes tremendous adhesion for top-coats to new galvanised metal requiring only a mist prime to achieve this result.

B-16 Primer is manufactured as a high solid concentrate that can be cut by up to forty percent with Astec All Purpose Thinners for spray applications or cut with Mineral Turpentine to slow down the drying time for brushing applications. Any thinned primer should be stored in an appropriate separate container as once the material is thinned it can allow the normal settling of the anti-corrosive pigmentation.

B-16 Primer provides excellent long-term protection against corrosion on substrates exposed to maximum weather conditions and is an ideal concentrate for cost effective shop prime and structural steel applications.

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	Red
Gloss level	Low Sheen
Drying Time at 25°C	15 minutes
Recommended thinners	Astec All Purpose Thinners (fast) or Mineral Turpentine (slow)
Recoat time at 25°C	20 minutes
Abrasion resistance	Good
Solvent resistance	Splash (fair)
UN number	1263
Dangerous Goods Class	
/Subsidiary Risk	3.1
Hazchem Code	3YE
Poisons Schedule	5
Theoretical spread rate at; required D.F.T (100 microns Dry)	5.7 m ² per ltr
Theoretical spread rate at 30 microns dry	19 m ² per ltr
Specific gravity	1.091
Solid content	59% W/W
P.V.C.	30% W/W

Limitations

Limitations

Highly flammable. Avoid heat, sparks, flame and contact with oxidising agents. All equipment should be earthed including spray equipment.

Application Data

Application Methods

The best results will be obtained by spray or brush application methods.

1. For spray applications B-16 can be thinned between 10% and 40% dependent upon the wet film requirement that is determined by the level of anti-corrosive protection required. Conventional air or airless spray equipment is suitable for B-16 application, when using airless spray equipment use a 515 to 518 tip.
2. For brush application B-16 can be reduced up to 40% with Mineral Turpentine to slow the drying process thus assisting brushing out.

Surface Preparation

1. Where blast cleaning is admissible, blast clean to AS 1627.4 Class 2.
Note; the best coating system performance will be obtained with the highest class of blast cleaning.
2. Power wire brush or hand tool clean.
Note; use Astec Rus-traint over this method of preparation before B-16 application, refer to the Technical Bulletin on Astec Rus-traint.
3. High pressure water blast with a Kranze Turbo Nozzle.
Note; use Astec Rus-traint over this method of preparation before B-16 application, refer to the Technical Bulletin on Astec Rus-traint.
4. Regardless of the preparation system, any remaining surface contaminant should be removed before any coatings application. For example, deposits of grease or oil are to be removed with Astec All Purpose Thinners and any dust removed with compressed air.
5. For seafront preparation where blast cleaning is inadmissible, refer to the Astec Performance Standard, **SEAFRONT ENVIRONMENTS Preparation of Corroded Metals where Blast Cleaning is Inadmissible.**

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.

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.