

## ETCH PRIMER Product No. PS1601 (Component A & Component B)

**Ritver Etch Primer** is based on a two component composition designed to be an ideal primer for non ferrous surface. It is based on protective pigments like zinc chromates and organic acids and a selected PVB resin. It accepts many of the two pack and single pack products for over coating. The organic acid component helps to etch the surface. It can be used as a specification primer as BS 5493 meets surface preparation criterion of AP2A.

### USE

**Substrates:** For non ferrous surfaces, especially aluminum, copper and galvanized steel.  
**Area of Use:** It gives a good acidic pretreatment for non ferrous metals to ensure good adhesion of top coats.

### SPECIFICATIONS

#### Properties

<b>Finish</b>	: Semi gloss to matt with very slight sheen.
<b>Colour</b>	: Yellow with a greenish undertone..
<b>Specific gravity</b>	: Comp A: 0.89 ± .02, Comp B: 00.89 ± 0.02 (Mix SG 0.89 ± 0.02)
<b>Mixed Solids (% by volume)</b>	: Comp A: 13 ± 1% , Comp B: 9 ± 0.02% (Mix Vol. Sol: 9 ± 0.02%)
<b>Mixing Ratio</b>	: 4:1 (Component A: Component B vol/vol)
<b>Pot Life</b>	: App 1hour to 1 ½ hour (at 30°C).
<b>Diluent</b>	: Ritver Etch primer thinner
<b>Flash point</b>	: 12°c (mixed)
<b>Spread Rate:</b>	While the spread rate is directly dependant on the surface profile and also the type of undulations it has, as a thumb rule <b>Ritver Etch Primer</b> would cover 10 – 16 meters per lit.
<b>Drying Time (30° C)</b>	: Set to touch: 15 – 20 minutes. : Ready for Recoat: app 1 hour.
<b>Recommended DFT</b>	: While 5 to 6 µ is an ideal recommendation it should never exceed 8 µ

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### SURFACE PREPARATION

A good surface preparation and following the method statement / recommended system procedure of Ritver is an ideal recommendation for the application of **Ritver Etch Primer**.

#### For Non Ferrous surfaces:

Before applying the primer remove all wax, oil and grease by solvent cleaning in accordance with the guide in lines with the surface preparation methods as per requirement. (Consult Ritver surface manual if doubtful). One may use **Ritver Etch primer thinner** and an abrasive thinner to improve subsequent adhesion. Thus ensure that the surface to be coated should be clean and dry.

#### Galvanised steel or Zinc metal spray:

Before application ensure that white zinc and other surface contaminants are removed by abrading with abrasive paper or suitable mechanical tools. primer remove all wax, oil and grease by solvent cleaning in accordance with the guide in lines with the surface preparation methods as per requirement. (Consult Ritver surface preparation manual if doubtful). Thus ensure that the surface to be coated should be clean and dry.

Exclusions for successful application include perpetually wet surfaces and also large cavities on metal surfaces.

### APPLICATION METHODS

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3°C above dew point.

#### **Conventional Spray:**

It is the most recommended method of application Use standard equipment and a pressure of 2.8-3.0 kg/ cm<sup>2</sup> (40-45 psi).

#### **Brush or Roller:**

This method may be adopted for substrates with difficult shapes or touchup; however care must be taken not to exceed the recommended film thickness and ensure that an even film is applied.

#### **Air less spray:**

For larger areas it is the best recommended method of application but great care must be taken to ensure the recommended film thickness are not exceeded. Use a tip with a wide fan width.

Tip Size : 0.22 - 0.30 mm (0.009 - 0.011 in) Pressure: 90 - 130 Kg/cm<sup>2</sup> (1300-1800 psi)

#### **Caution:**

1. The product may not be giving the right adhesion if over coated to achieve the obliteration as it does not have show good opacity.
2. Over coating must be done within 2 hours of drying on he same day.
3. Do not apply after the pot life is lapsed.

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### TYPICAL PAINT SYSTEM

<p><b>Ritver Etch Primer (PVB Based)</b></p> <p>For use other than mild steel surfaces)</p> <ul style="list-style-type: none"> <li>• Or as per Ritver technical advice</li> </ul>	<p>Ritver Etch Primer (PVB Based) Ritver Epoxy Pigmented Primer Epoxy Top coat</p>	<p>1 coat 1-2 coats 2 coats</p>
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### STORAGE AND SHELF LIFE

Under dry and cool condition, Storage stability can be sound up to 18 months in original sealed containers. In no way should the component A & component B be mixed and kept.

#### **HANDLING**

**Disposal:** As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

**Flash Point:** Contains organic solvent and 12°C.

### SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Other industrial practices are applicable. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

MSDS is available on request for the safe handling of this product.

#### **FIRST AID**

**Eyes:** In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

**Skin:** Wash skin thoroughly with soap and water or approved Industrial cleaner. DO NOT USE solvent or thinners.

**Inhalation:** Remove to fresh air, loosen collar and keep patient rested.

**Ingestion:** In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.