



# 178 HS PRIMER SURFACER

JUNE 2003

## 2K Polyurethane Primer

### Product Data

A 2 pack polyurethane, anti-corrosive, primer surfacer. The base is made from polyester resin and non-toxic anti-corrosive pigment. The hardener is based on aromatic polyisocyanate. This product has good flow, laydown, application and stone chip resistance properties. It is high in volume and weight solids. It has been formulated to have good sandability.

### Uses

As a primer surfacer for trucks, buses, agricultural equipment, machinery, structural steel etc – will provide a tough, durable finish when overcoated with 279 Superthane or 579 Caprithane. Also used in marine systems.

Spray apply 90-135µm WFT / 50-75µm DFT. Overcoat overnight (sand 360). May be overcoated after 1-8 hrs (no sanding) with 279, 579 – but there is a risk of yellowing the topcoat.

General Industrial – Overcoat with 279, 579, 978.

Marine – Apply over CC22 or Amerlock 2, as appropriate. Overcoat with 579, Amershield, PSX700.

### Colour Availability

Beige, Grey, White

### Packaging

178A Base – 1L, 4L

178B Hardener – 250ml, 1L

### Mixing Ratio

Mix 4L 178A HS Primer with 1L 178B Hardener.

### Pot Life

Once catalysed, pot life is 4 hours.

### Thinning and Clean Up

When catalysed, 178HS Primer Surface is at a suitable spraying viscosity. Should further thinning be required, it may be thinned as follows:

Cold conditions – Up to 10% 254 Reducer MF

Normal conditions – Up to 10% 475 Reducer MI

Hot conditions – Up to 10% 312 Reducer MR

Clean gun and equipment with 254 or 475 Reducers.

### Application

Spray – conventional, pressure pot, airless

Brush – small areas only

### Drying

Tack free – 2 hours

Hard dry – Overnight

Overcoat – Overnight – sand 360 / 400

### Theoretical Coverage

Approximately 7.1 sq. m/litre @ 75µm DFT (catalysed).

Practical coverage rates will be lower than theoretical and this must be taken into consideration when calculating costs.

### Total Solids Content

72.4% (wt), 53.3% (vol) – catalysed.

## Substrates

Steel and ferrous alloys.

Aluminium / galvanised steel – MUST be preprimed with 719 Polyetch.

Fibreglass – Non marine applications

Marine Substrates – suitable pre-primed

## Surface Preparation

Steel – Remove rust by blasting to SA2.5, or by using power tools or sanding. Degrease.

Aluminium – Degrease, then scour with Scotchbrite. Degrease again.

Galv – Clean and degrease. Use a proprietary acid wash if surface has been chromate treated.

Fibreglass – Sand and dust down. Degrease.

## Health & Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration.

Do not use in the presence of naked flame or other sources of ignition. Store away from heat.

Wear safety glasses/goggles, an air supplied respirator or hood and PVC or nitrile chemical handling gloves.

If spraying in a confined area, a positive pressure air respirator should be worn.

Store/dispose of residues in accordance with local body regulations.

## First Aid

If poisoning occurs, contact a doctor. The Poisons Information Centre may be of assistance – telephone 0800 POISON (NZ), 13-11-26 (Australia).

If swallowed, do NOT induce vomiting. Give a glass of water to drink and get medical attention urgently. If affected by vapour, get into fresh air immediately. If splashed into the eyes, flush them with copious quantities of clean water for 15 minutes and get urgent medical attention.

If splashed onto skin, wash with soap and water.

For further information, refer to the Material Safety Data Sheet for this product.

## CAUTION:

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapour concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

***This product is for professional use only. Not for residential use.***

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