

SAFEPRIME PU3 April 2010

Solvent based polyurethane primer for steel.

DESCRIPTION

Safeprime PU3 is a single component, solvent based, moisture cured polyurethane coating

Safeprime PU3 aluminum primer has been developed as a highly effective corrosion resistant primer for abrasive blast cleaned prepared steel substrates.

Safeprime PU3 has been formulated for use in many corrosive conditions and where a high degree of chemical or solvent resistance is required.

Safeprime PU3 serves as an excellent primer to Safegrip® PU Antiskid Coatings and can also be used as a multi coat primer/finish coating system.

PHYSICAL PROPERTIES

Specific Gravity:	1,1 kg/lit
% solids:	55 % in volume
Colour:	Silver grey
Coverage:	1m ² /l
V.O.C.	353 gm/l

SURFACE PREPARATION

Alu-zinc, galvanised and other non-ferrous metal surfaces need to be light gritblasted. Steel shall be gritblasted to SA 2,5.

MIXING

Before application the primer should be premixed. Mix with a **slow speed (3 – 400 rpm) mixer** with a good paddle for one minute.

APPLICATION

Application by brush, roller or spray.

The supplied information is based on present knowledge and current national legislation. It provides guidance on Product information and should not be construed as any guarantee of technical performance or suitability for particular applications.

Airless spray with tip opening 13 – 17 thou. Tip pressure 2500 psi.

Conventional spraying needle set up 1.4 - 1.8mm.

Apply the primer at maximum 100µ. When touch dry, normally after 1 hour, application of Safegrip® PU can be done.

If the primer is left more than 23 hours it has to be gritblasted before application of a new coating of *Safeprime PU3* can be done. Optimal addition of Safegrip® PU is before 15 hours of curing.

PROPERTIES

Theoretical spread rate	wft = 90µ dft = 50µ	
Drying time 20°C R/H/65%	Touch dry Maximum overcoating time	1 hour 23 hours
Substrate temperature	Minimum 5°C and rising.	
Dew point	Minimum 3 °C above the substrate temperature	
Humidity	Maximum 80 %	

PACKAGING

Safeprime PU3 is supplied in 5 l tins.

STORAGE

24 months, if stored dry in original packaging at temperatures between 5°C and 30°C. Opened tins have reduced storage life.

HEALTH AND SAFETY

In wet state *Safeprime PU3* is flammable. Adequate ventilation must be provided during use.

Undue contact with the skin should be avoided. For further information see the Health and Safety datasheet for *Safeprime PU3*.