

## ISOTHANE PU PRIMER

### Polyurethane Primer

#### DESCRIPTION

**PU PRIMER** is a specialised, high adhesion primer system designed to improve adhesion between a large variety of coatings and substrates. **PU PRIMER** is particularly suitable when used in conjunction with Isothane Elastomeric Membrane coatings or Isothane foams. It is a special blend of moisture curing urethane prepolymers in solvent and its chemical similarity to EM coatings ensures good adhesion between the two within the specified overcoat times. It acts as a sealer on porous substrates such as concrete and will consolidate a friable substrate such as that of asbestos cement. It acts as a barrier coat on bituminous substrates and improves adhesion to difficult substrates such as non-ferrous metals.

References to the specific application of **PU PRIMER** are made in the Isothane Data and Application Notes.

#### PREPARATION

##### **General:**

- All surfaces should be sound, clean, dry and free from oil or grease
- Remove loose material and flaking paint
- Brush and wash off soft or powdery surfaces
- Remove rust and corrosion from metals
- Abrade smooth metal, plastics and fibreglass surfaces
- Allow 28 days for new concrete to cure and before removing laitance and applying primer

##### **Roofs:**

- Remove dust, dirt and loose chippings
- Kill fungal growth with fungicide and wash off thoroughly
- Fill cracks and voids with exterior mastic
- Cut open felt blisters, apply EMB underneath and tack down. Allow for evaporation of moisture.

#### APPLICATION

Apply **PU PRIMER** straight from the can by brush or spray. One application will normally suffice but some highly porous substrates may require two.



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#### CLEANING

Use aromatic hydrocarbon solvent for cleaning equipment etc.

#### STORAGE, HANDLING AND PERSONAL PROTECTION

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication "A Guide to the Safe Handling of Polyurethane Resins" and in the following Technical Data Sheets which are available on request:-

- Fire Safety when Storing, Handling and Installing Polyurethane Foam
- Decontamination of Isocyanates using Isothane Decontaminant

#### TECHNICAL DATA

Form	Slightly hazy, pale straw liquid
S.G.	0.90
Flash Point	31°C
Application rate	Between 6 - 10m <sup>2</sup> / lt dependent on substrate texture and porosity
Cure/Drying Time	Slightly tacky film in 2 - 4 hours
Overcoat time	Min 2 hours, maximum 48 hours. When applying to bituminous substrates allow at least 4 hours before over-coating
Application	0 - 70°C
Shelf Life	6 months



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