

## TECHNICAL DATASHEET

**Binder PUA** is an MDI based prepolymer, used as a one component moisture curing system.

### Application

**Binder PUA** is particularly recommended for use as an elastomeric binder for crumb rubber, moisture cure adhesive.

### Product Specification

%NCO	11.0 ± 0.3
Viscosity at 25°C (cPs)	3000
Specific Gravity at 25°C	1.08
Appearance	Light yellow liquid

### Processing Conditions

#### One pack surface coating

**Binder PUA**, when applied as a film in either the solid state or in solution with solvents, will react with moisture from the atmosphere and convert from a liquid to a solid in one or two days. Optimum properties are reached over a seven-day period.

The curing time can be shortened by the addition of ± 0,1% m/m of an amine type catalyst. The physical properties of the bound rubber article may be enhanced by heating the partially cured article to 90 - 100°C for 30 minutes to 3 hours, shortly after demould.

### Storage

**Binder PUA** should be stored indoors at ambient temperatures, between 15 - 25°C, in a dry environment. Prolonged or repeated heating of the material will accelerate decomposition. Partly used containers should be resealed immediately after use.

Storage at low temperatures (< 10°C) may lead to crystallization. If it occurs, the material should be heated to 70 – 80°C to melt it out, and should then be thoroughly stirred before use.

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

## Packaging

Standard packs consist of 220kg steel drums.

## Handling Precautions

Consult the product's material safety data sheet (MSDS) for specific hazard and handling information before use.

**Binder PUA** is an isocyanate containing material and normal standards of industrial hygiene should be observed during its handling. Safety goggles, gloves and overalls should be worn, and the material should preferably be used in a well-ventilated area. Inhalation of its vapours should be avoided.

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.