

Cl/SfB		Yt3	
CAW Z20			
Uniclass L6739:P7112			

## Description

PU012 is a low viscosity, liquid polyurethane wood adhesive.

## Colour

Amber

## Packaging

750 g bottle (12 per carton)

## Technical Information

Characteristic	Standard	Classification
Density		1.14 g/cm <sup>3</sup>
Viscosity		Liquid
Solids Content		Approx. 100%
Conformance		EN204: D4
Working Time		Approx. 20 minutes
Pressing Time		12 hours
Pressing Pressure		10 - 30 kg/cm <sup>2</sup>
Flash Point		> +110°C
Coverage		100 - 200 g/m <sup>2</sup> depending on the porosity of the substrate
Service Temperature		-30°C to +100°C
Application Temperature		+5°C to +30°C
Storage		Store in shaded, dry conditions between +5°C and +25°C. Protect from frost.
Shelf Life		12 months when stored as recommended in original unopened containers

## Necessary Tools

- Suitable trowel, adhesive spreader or roller.

## Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

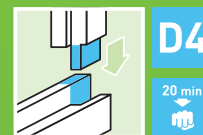
## Preparation

- Always carry out a test to confirm compatibility prior to use.
- All surfaces to be bonded must be close fitting, degreased, clean, and free from dust and any other contamination.
- Dampening the surfaces to be bonded with a moist cloth or spray can increase the rate of cure.
- Metals should be stored at room temperature prior to bonding to avoid chilling the glue line.
- Most coated and pre-finished ready for painting metals are well suited for bonding. Some grades of aluminium galvanised steel and plastics can be difficult to bond and may require the use of a primer.



## PU012

### Wood Adhesive



#### Usage / Purpose

PU012 is a low viscosity PU adhesive designed for rapidly bonding wood to wood. It is suitable for full water immersion, even in seawater. It is ideal for the manufacture and lamination of composite panels and will bond many different types of foam and insulation materials to a wide variety of rigid and flexible facing panel types. Typical uses are in the manufacture and erection of cold stores, caravans, mobile homes, offices and insulated building units.

#### Key Benefits

- Waterproof adhesive suitable for external use - meets the requirements of EN 204 (D4)
- Forms an exceptionally high bond strength to most building materials, even damp substrates
- Gap filling action achieves a high strength bond with irregular or uneven substrates
- Rapid curing and outstanding bond strength without the need for priming or surface treatment

## Wood Adhesive

### Application

- Apply using a trowel, notched scraper or hand roller to one of the surfaces to be bonded along the glue line. The amount applied will vary according to the porosity/ smoothness of the substrates and the means of application but would normally be in the range of 80- 120 ml per m<sup>2</sup>.
- Once the adhesive has been applied, a light misting of water should be applied. About 5- 7.5% of water by weight based on the adhesive coating weight is ideal. Avoid excessive amounts of water.
- Assembly should then take place with the application of pressure/clamping as soon as possible to minimise water evaporation and within the open time of the adhesive.
- The pressure required will vary depending on the substrates used but will typically be in the range of 0.5 to 0.9 bar.
- The pressure should be maintained until the adhesive has cured sufficiently to permit handling of the bonded item.
- Full cure will not be obtained for 24 hours and handling within this period should be kept to a minimum.

### Cleaning

Remove excess adhesive immediately with AA290 PU Foam Cleaner. Ensure surface is solvent resistant before cleaning. Cured adhesive can only be removed mechanically.

### Notes

Not suitable for bonding polyethylene, polypropylene, Teflon® or Nylon. Moisture content of wood must not exceed 30% w/w.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.

#### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco

illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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