

# Technical Data Sheet

Date of compilation: 26/03/2023

## ARC PU WOOD GLUE 30MIN 1000G

### DESCRIPTION

Arc Polyurethane Wood Glue 30 min was developed specifically for internal and external wood applications, including kitchen fitting, skirting and general repairs. It can also be used for the edge jointing of Structural Insulated Panels (SIPs). It is a single-component (1K) moisture-curing polyurethane (MCPU) adhesive, which offers both the professional and DIY hobbyist many benefits:

- Multipurpose
- Minimises task-time
- Gap-filling
- Waterproof to EN 204 D4
- Green credentials



### CHARACTERISTICS

#### **Multipurpose adhesive: suitable for horizontal surfaces**

The consistency of Arc Polyurethane Wood Glue makes it ideal for use on large horizontal surfaces, both onsite and in a workshop. It also helps to minimise the number of adhesives you need to store because it is multipurpose and can be used to bond wood to a variety of materials, including OSB, wood, laminates and metal.

#### **Minimises task time and cost: one-way stick and easy application**

Arc Polyurethane Wood Glue ensures an economical usage rate due to its one-way stick application; which also helps to minimise task time. It is easy to apply via the bottle, brush or trowel, ensuring quick and simple application.

#### **Disguises a multitude of sins: gap-filling properties**

Most construction professionals will have experienced uneven joints and the problems they can cause. Arc Polyurethane Wood Glue has excellent gap-filling properties that disguise uneven joints and imperfections, thereby helping to reduce these problems.

#### **Peace of mind: waterproof to EN 204 D4 and has excellent weathering and aging properties**

At Arc, we understand you require peace of mind that the adhesive you are using can withstand the rigors of different environmental conditions. Arc Polyurethane Wood Glue ensures a high-strength permanent bond quickly, which is waterproof to EN 204 D4 and has excellent weathering and aging properties.

#### **Green and safety credentials: solvent-free**

Green credentials are becoming increasingly important within the construction sector, and

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this trend is set to continue. Arc Polyurethane Wood Glue is solvent-free which makes it more environmentally friendly and pleasant to use compared to solvent-based products (VOCs). It also makes it suitable for use on a wide range of projects, even those with high levels of public usage, such as schools and hospitals.

### TECHNICAL CHARACTERISTICS

Base	Polyurethane
Appearance	Brown
Viscosity	4000cps
Open-Time	10 minutes
Cure-Time	30 minutes, full cure after 24 hours
Application Temperature	5-30°C
Temperature Resistance	-30 to 150°C
Storage	5-25°C
Coverage	up to 12.5m <sup>2</sup> per kg
Environmental	See MSDS

### APPLICATION DETAILS

Ensure surfaces to be bonded are clean and free from grease and other contaminants.

#### General Application:

1. Apply Arc Polyurethane Wood Glue to one surface only. The amount of adhesive will vary according to the porosity/smoothness of both substrates. Recommended coat-weight is 80-140g/m<sup>2</sup>.
2. Once the adhesive has been applied, it should be overmisted with water (approximately 10% of water - based on the adhesive coating weight is the optimum amount - excessive amounts of water should be avoided). Certain substrates, such as wood will contain enough moisture to cure the adhesive, however, the open and cure times will be prolonged.
3. Assemble the substrate and place under pressure within 10 minutes of adhesive application.
4. Maintain pressure until the adhesive is sufficiently cured to permit handling of the bonded items (30 minutes).
5. It will take 24 hours for full cure to be achieved and handling within this period should be kept to a minimum.

**NB One of the substrates to be bonded must be porous/permeable.**

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### Application for the edge jointing of SIPs:

1. The adhesive is supplied in a 1 Litre poly bottle for easy application straight from the bottle.
2. The nozzle should be cut to a diameter of 5mm x 2mm.
3. The adhesive is to be applied along the length of the spline and the SIPs clamped together or nailed until fully cured.

### SHELF LIFE

The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf-life. The adhesive will have a limited life once the container is opened.

### NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail [technical@arcbuildingproducts.ie](mailto:technical@arcbuildingproducts.ie). Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.