

## Technical Data Sheet

# ARO-BOND® 905 FAST SET PU ADHESIVE GEL



**ARO-BOND® 905 IS A ONE PART, CARTRIDGE-LOADED, SOLVENT FREE, FAST SETTING, MOISTURE CURING POLYURETHANE, THIXOTROPIC GEL.**

**ARO-BOND® 905 HAS BEEN FORMULATED FOR HIGH PERFORMANCE WATER-RESISTANT BONDS BETWEEN A WIDE RANGE OF MATERIALS.**

The thixotropic nature of the gel prevents slumping and gives a level of gap filling to the bond. Aro-Bond® 905 has excellent adhesion to wood, chipboard, polyurethane, mineral wool, concrete, stone, bricks, gypsum boards and all traditional porous substrates and can be used in a wide range of bonding applications. Aro-Bond® 905 is ideal for all types of wood bonding and joinery, bonding wooden constructions, boats, jointing sandwich panels, adn insulation as well as many other applications.

### BENEFITS

- Non-slumping, ready to use, gel
- Solvent free
- Totally non flammable
- Fully waterproof to EN204 D4
- High performance bonds between a wide range of materials
- Excellent weathering and aging properties
- Foams slightly to fill gaps
- Excellent chemical resistance

### AVAILABLE COLOURS

Translucent

### TECHNICAL DATA

Total solids:	100% (solvent free)
Specific gravity:	1.03
Viscosity:	Thixotropic gel
Skinning time:	5 mins @ 23°C and 50% RH
Temperature resistance:	-30°C to +100°C
Application temperature:	5°C to 35°C

### AVAILABLE SIZES

Cartridge	290ml
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## PREPARATION AND APPLICATION

At least one of the surfaces to be bonded must be porous and ensure surfaces are always clamped during cure.

Firstly cut tip of the cartridge and screw on the nozzle. Cut nozzle to an angle of 45 degrees. Apply the adhesive, using a standard cartridge gun, to one of the surfaces to be bonded and assemble the bond immediately (within 5 minutes). Apply pressure to the bond, by means of a clamp. The product will foam slightly on application to fill any small gaps. Clean away any excess adhesive immediately.

Under normal conditions the gel will skin over after approximately 5 minutes and give a handleable cure within 10 minutes and final bond strength achieved in 12 hours.

## HANDLING AND STORAGE

The product should be stored unopened in a dry condition at a temperature of 10 - 25°C. This will ensure the stated shelf-life of 12 months. The adhesive will have a limited life once the container is opened.

DISCLAIMER: Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers/end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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