

Technical Data Sheet

ARO-BOND® 920 MCPU ADHESIVE



ARO-BOND® 920 IS A ONE-PART, SOLVENT-FREE MOISTURE CURING POLYURETHANE LIQUID ADHESIVE SUITABLE FOR BONDING OF WOOD, PANELBOARD, INSULATION AND MANY OTHER CONSTRUCTION MATERIALS.

ARO-BOND® 920 HAS EXCELLENT RESISTANCE TO WATER, TEMPERATURES, WEATHERING AND AGEING CONDITIONS ACCORDING TO DIN 204 D4.

Aro-Bond® 920 is suitable for panel lamination and assembly, outdoor applications for woodworking, structural bonding of wood and derived products; chipboard, plywood, high pressure laminate, insulating materials like XPS, PU and PVC rigid foam, GRP, metals, aluminium, stainless steel, galvanised steel, construction materials like natural stone, marble, ceramics.

BENEFITS

- Excellent water resistance - DIN 204 D4.
- Easy to use & quick curing.
- Excellent bond strength on hard and soft woods.
- Bonds many substrates including non-porous & Accoya products.
- Resistant to chemicals
- Solvent free - odourless

AVAILABLE COLOURS

Amber

AVAILABLE SIZES

Polybottle: 1.1kg

TECHNICAL DATA

Viscosity (23°C; cone/plate):	6000 mPAs
Density (23°C and 50% RH):	1.12 g/cm³
Film formation time (23°C and 50% RH):	20mins
Pressing time (23°C and 50% RH):	60mins
Pressing force	1.0 N/mm²
Final setting time (23°C and 50% RH):	24hrs
Application temperature:	+5°C to +40°C
Temperature resistance:	-40°C to +100°C

CURING TABLE

Temperature (°C):	15	20	25
Open time (minutes):	40	30	20
Cure time (minutes):	90	75	60

PREPARATION AND APPLICATION

Ensure that the surfaces to be bonded are smooth, clean and free from dust or other deposits. Metals should be stored in a warm environment prior to bonding to avoid chilling of the glue line, which leads to extended cure times

The low viscosity of the product enables accurate bonding due to easy coupling of different supports. Apply the product on one of the two surfaces (usually the less absorbent substrate) using a roller or by beading. Press parts firmly together for a perfect bonding. In order to guarantee a controlled hardening, when bonding nonabsorbent materials or materials with < 8% humidity, is recommended to vaporise water (approx. 10g water/m² for 150g adhesive/m²).

Aro-Bond® 920 swells (foams) during the setting process. For the bonding of non-absorbent surface layers, please take care that no air is included when joining the surfaces.

HANDLING AND STORAGE

When Aro-Bond® 920 has not hardened, it can be removed from the trowel using some paper or a cloth. Once it has hardened, then removal must be effected mechanically.

Aro-Bond® 920 can be stored for 12 months in its original packaging (unopened container) at 10°C-25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

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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