

# 501

## POLYURETHANE WOODWORKING GLUE

## Technical Data Sheet

ISSUED: December 2016

- BONDS MOST MATERIALS
- SOLVENT FREE
- HIGH BOND STRENGTH
- SANDABLE / STAINABLE
- HIGH MOISTURE RESISTANCE  
(D4 – European Standard EN204)

### DESCRIPTION

TAC ADHESIVES' - 501 POLYURETHANE WOODWORKING GLUE is a single pack moisture curing polyurethane based adhesive.

### FIELDS OF APPLICATION

Bonding timber to timber, MDF, melamine board, stone, metal, ceramics and some plastics.

### APPLICATION

Coverage rate, open time and press time are dependant on type of materials to be bonded as well as workshop conditions such as temperature and humidity.

Glue and material temperature should be at least 10°C.

Best results are obtained under the following conditions:

Workshop, material and glue temperature: 20°C

Wood moisture: 8 - 12%

Relative humidity: 60 - 70%

Apply adhesive evenly to one surface.

Coverage Rate: ~ 4 m<sup>2</sup>/kg

Join surfaces before end of open time.

Open Time @ 20°C: up to 40 minutes

Press or clamp until sufficient initial strength is obtained.

Press Time @ 20°C: ~ 60 minutes

Faster cure can be achieved by lightly dampening the unglued surface before making the join.

Some dense timber will benefit by having both bonding surfaces pre-cleaned with a damp cloth to help open timber pores before gluing

Final Bond Strength: 24 hours

### SURFACE PREPARATION

Surfaces to be bonded should be clean and free from oil, dust and other foreign materials. Ensure surfaces fit together exactly to avoid extended drying times and reduced bond strength. For glossy surfaces, sand to provide a key. It is preferable that one of the surfaces to be bonded is porous to allow the moisture required for curing to migrate to the glue line.

### CLEAN UP

Use TAC Adhesives' 101 Cleaner to clean equipment and tools before adhesive dries.

### TECHNICAL DATA

Base: Polyurethane

Colour: Clear Amber Liquid

Pack Sizes: 580gm, 5kg and 20kg

### STORAGE

Store under cover, out of direct sunlight in tightly closed original containers. Do not freeze.

### SHELF LIFE

Six months in unopened containers.

Opened cans may skin and this may be cut off and remaining product used.

### FIRST AID

Good industrial hygiene should be observed at all times - **impervious gloves are essential** when handling adhesive.. Refer to Safety Data Sheet for further information.

### TAC Adhesives Pty Ltd

ABN 18 952 775 668

32 Cahill Street

Dandenong South VIC 3175

Ph: (03) 9768 3789 Fax: (03) 9768 3798

The information contained in this technical data sheet is based on our present knowledge and experience. They may be considered only as guidelines as many factors can affect processing and application. Users should determine the suitability of the product by means of their own tests for its intended application.