

# Technical Data Sheet

## FORTIS AD5105

### FEATURES

- 100% Solids
- Zero VOC
- 10min Working time
- 30min clamp time @25C
- Suitable for most hardwoods
- Paintable / Stainable
- Sandable
- Expands as it dries
- Water resistant
- Superior adhesion
- Excellent heat resistance

### TYPICAL APPLICATION

- Timber Lamination
- Furniture construction
- General construction adhesive

### TECHNICAL DATA

Color: Amber

Viscosity: >4500cps@20°C

Coverage:100-200 g/m<sup>2</sup>

Working Time:10min

Clamp Time: 30min@20°C, 65% RH

Shear Strength Dry: >12MPA (95% WF)

Shear Strength Wet: >11MPA (75% WF)

Service Temp: -40°C to 90°C



Fortis Adhesives & Coatings  
14 Commercial Drive  
Dandenong South,  
Victoria, Australia, 3175  
[www.fortisadhesives.com.au](http://www.fortisadhesives.com.au)  
+61 3 97065448

**FORTIS AD5105** is a fast curing single pack moisture curing adhesive. Fortis AD5105 is suitable for bonding timber to almost anything. e.g. ALL timbers, MDF, Metal, ceramic, glass and concrete. Due to it expanding as it dries, it is especially useful for repairing hollow spots under timber overlay strip flooring.

### APPLICATION

Fortis AD5105 requires atmospheric moisture to cure. Timber should be conditioned to approximately 12% moisture content. If drier it is recommend to lightly mist or wipe the surface with water. One surface should be porous. This is a non-structural adhesive. For structural applications please contact Fortis adhesives & Coatings.

### SURFACE PREPARATION

Ensure bonded surface is clean and dust free. To achieve optimum bonding results, please ensure a tight-fitting joint; less than 0.3mm is recommended.

Excellent wood-to-wood contact is necessary to achieve optimum bond strength. A smooth surface achieved through planing or similar technique will aid in providing a good wood-to-wood contact. A good mechanical fit for finger-jointing is necessary.

A light water mist may be applied to the wood. The water mist applied prior to glue application, "**TO BOTH ADHERING SURFACES**". The water application should be approximately 30-50 gsm for both adhering faces (this process has been found beneficial for the oiliest of Australian Timbers)

Normal clamping time is 30-40 minutes.

### LIMITATIONS

Will not adhere polyethylene or polypropylene plastic

### CLEAN UP

Allow glue to dry then scrape, chisel, sand or cut excess glue

Clean tools with acetone or white spirit immediately after use (before adhesive dried).

If glue comes in contact with hands, use acetone or white spirits to remove immediately and then rinse off with soapy water

### SAFETY

- Contains isocyanates. Please refer to Material Safety Data Sheet prior to use.
- Store in cool, dry conditions, out of direct sunlight and in a well ventilated area. DO NOT store below 5°C or over 50°C.
- Good industrial hygiene should be observed at all times – Appropriate PPE should be worn including impervious gloves & eye wear.

### PACK SIZE

550g, 5kg, 18kg, 225kg

### SHELF LIFE

12mths @ 25°C unopened

For further information, refer to the Fortis website [www.fortisadhesives.com.au](http://www.fortisadhesives.com.au) It contains not only the Safety Data Sheets but also technical bulletins on adhesive applications and surface preparation.

### Disclaimer

Fortis products should be used in accordance with the information contained here. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained here is to the best of our knowledge at the date of publication, Fortis makes no representation about the accuracy of the information. If you need clarification or more information, you should contact Fortis Adhesives & Coatings office directly. Fortis products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Fortis accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Fortis Adhesives & Coatings products or reliance upon the information contained here