

FORTIS AD5205 POLYURETHANE ADHESIVE



Fortis AD5205 is a fast-curing single pack moisture curing polyurethane adhesive, suitable for bonding timber to almost anything, including all timbers, MDF, metal, ceramic, glass and concrete. Expanding as it dries, **Fortis AD5205** is especially useful for repairing hollow spots under timber overlay strip flooring.

- Features and Benefits**
- 100% solids
 - Zero VOC
 - 20min working time
 - 60min clamp time @25°C
 - Suitable for most hardwoods
 - Paintable / Stainable
 - Sandable
 - Expands as it dries
 - Water resistant
 - Superior adhesion
 - Excellent heat resistance

- Typical Applications**
- Timber Lamination
 - Furniture Manufacturing
 - General Construction Adhesive

- Properties**
- Colour: amber
 - Viscosity: >4500cps@20°C
 - Coverage: 100-200 g/m²
 - Working Time: 20min
 - Clamp Time: 60min @ 20°C (65% RH)
 - Shear Strength Dry: >12MPA (95% WF)
 - Shear Strength Wet: >11MPA (75% WF)
 - Service Temperature: -40°C to 90°C

Pack Size 550g, 5kg, 18kg, 225kg

Shelf Life 12 months @ 25°C unopened

- Safety**
- Contains isocyanates
 - Refer to Safety Data Sheet prior to use
 - Good industrial hygiene practices should be observed at all times
 - Appropriate PPE should be worn including impervious gloves & eye wear

Storage 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

Surface Preparation One surface should be porous. Ensure bonded surfaces are clean and dust free. To achieve optimum bonding results, 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 good contact. A good mechanical fit for finger-jointing is necessary.

Fortis AD5205 requires atmospheric moisture to cure. Timber should be conditioned to approximately 12% moisture content. If drier, it is recommended to lightly mist or wipe the surface with water be applied prior to glue application to both adhering surfaces. The water application should be approximately 30-50gsm. This process has been found beneficial for the oiliest of Australian Timbers.

Application Apply **Fortis AD5205** to one surface only and spread evenly over the surface. Assemble and clamp within 20 minutes. Nominal clamping time is 60 minutes. Maximum bond strength is achieved after 24 hours.

Clean-Up	Un-cured glue can be removed from tools immediately after use with acetone or white spirit. Dried glue can be removed by scraper, chisel or sanding. If glue comes in contact with hands, use acetone or white spirits to remove immediately and then rinse off with soapy water.
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Limitations	Fortis AD5205 is a non-structural adhesive. For structural applications contact Fortis Adhesives & Coatings. Fortis AD5205 will not adhere polyethylene or polypropylene plastic.
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For further information, including Safety Data Sheets and Technical Bulletins, refer to the Fortis website www.fortisadhesives.com.au.

Disclaimer - Fortis products should be used in accordance with the information contained herein. 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 herein 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. 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 herein.

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Manufacturers of a range of Industrial Adhesives, Floor Coatings and Concrete Repair Systems. From Epoxy to Polyaspartic, Polyurethane to PVA, and with our Industry leading Technical Support, Fortis has you covered.