

Adhesives for Accoya®



Adkwik - background

Established in 1994, Adkwik manufacture and supply top quality adhesives to the timber and woodworking industry. We are alert to the ever evolving needs of manufacturers and create workable products and solutions that respond specifically to those needs.

Testing objective: evaluate Adkwik adhesives best suited to bond Accoya

As Accoya is an extremely durable and stable timber, the cell structure is virtually impregnable to water. The challenge was to provide a product that gives extremely strong bonds, complementing Accoya's inherent durability and quality.

Testing process and results

Samples of Accoya were bonded using a variety of Tytex PU based adhesives. The sample pieces were 125mm long with an overlap joint of 25mm. Adhesive was applied, and the samples were placed in a jig and clamped. Bonded samples were then shear tested using a Lloyds Tensometer, and the N force failure recorded. The results are appended in the following pages and show how Adkwik's products provide an effective solution for bonding Accoya timber. *The higher the N force the stronger the bond.

About Accoya

Since its launch in 2007, hundreds of manufacturers and architects have made Accoya their material of choice in homes and buildings for applications such as windows, doors, cladding and decking. Accoya brings unprecedented reliability for timber; it is checked and trusted not to visibly swell, shrink or distort. Highly durable, it withstands the test of any climate and is a highly rot resistant wood. And what's more, Accoya has a 50 year above ground and 25 year in ground/freshwater warranty. You can expect to enjoy your Accoya wood for many decades to come.

*Please see above to get an understanding of the test results.



Tytex 30 min Polyurethane (PU) Adhesive 310ml cartridge

Test result - 3220N*



Description

Tytex 30 Min Set premium polyurethane adhesive is a thixotropic gap filling gel adhesive which cures in just 30 minutes.

Conforms to EN 204 D4 Waterproof. An extremely versatile PU adhesive, suitable for many applications including door manufacture, staircases, insulation bonding, structural panel jointing, and much more.

- Extra strength formula
- Bonds most timbers including Accoya
- Clamping or pressing time of 30 mins
- Full bond strength is achieved after 24 hours

Tytex 5 min Polyurethane (PU) Adhesive 310ml cartridge

Test result - 4080N*



Description

Tytex 5 Min Set Gel PU Adhesive is a premium grade thixotropic, gap filling gel adhesive. Cures in just 5 minutes and conforms to EN 204 D4 Waterproof. Recommended for high quality joinery and applications where durability is essential.

- Rapid Setting high strength bonds
- Clamping time 5 minutes
- Full bond strength in 24 hours
- Bonds most timbers including Accoya

Tytex 5 Min D4 Waterproof Polyurethane (PU) Adhesive 1kg bottle

Test result - 3220N*



Description

Tytex rapid liquid polyurethane is premium fast setting adhesive and cures in just 5 minutes. Conforms to EN 204 D4 Waterproof standard.

Suitable for many applications including manufacture of high-quality joinery and furniture where enhanced water resistance is required.

- Rapid Setting
- Clamping time of 5 minutes
- Full bond strength in 24 hours
- High strength bonds on Accoya timber



Tytex 30 min D4 Waterproof PU Adhesive 1kg Bottle

Test result - 4080N*



Description

Tytex 30 Min liquid polyurethane (PU) adhesive, conforming to EN 204 D4 Waterproof.

Tytex 30 Min liquid polyurethane is a high strength adhesive suitable for a wide range of applications including high quality joinery manufacture, furniture, and construction projects, where enhanced water resistance is required.

- Clamping time of 30 minutes
- Totally waterproof
- Full bond strength in 24 hours
- High strength bonds on Accoya timber

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“We have passed your name and product on to many other Joiners as your Tytex 30 min PU glue is by far, and that is no exaggeration the best on the market and believe me we tried all the well-known brands, but the Tytex is excellent for the Accoya and anything that requires a PU glue. No wetting the surfaces prior to gluing and very low foaming leaving the glue in the joint to do the job. Well Done!!”

Perry- Director at a bespoke kitchen makers company who have been using Accoya for over 3 years.

Tytex Construction Adhesive 310ml cartridge

Test result - 3320N*



Description

Tytex Construction is a premium thixotropic fast curing gap filling gel adhesive that conforms to EN 204 D4 Waterproof. Very easy to apply and specifically formulated to give high strength bonds.

- Extremely strong
- 100% Waterproof
- Bonds most construction materials
- Cures in just 5 minutes with a full bond strength in 24 hours

Tytex construction is an extremely versatile adhesive that bonds a wide range of construction materials which include:

- Dry and moist timber including Accoya
- Cement-based boards
- Tile Backer boards
- Concrete
- Masonry
- Stone
- Brick Slips
- Most metals
- Insulation
- And more...





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