

# TECHNICAL DATA SHEET

# **Fortis AD5205** – Polyurethane Construction Adhesive ISSUED: December 2014

### INTRODUCTION

#### FORTIS AD5205 - Polyurethane Construction Adhesive

A fast curing single pack moisture curing polyurethane based adhesive for achieving high bond strength.

#### USE

General assembly, lamination of solid wood, sandwich panels and wooden structures.

#### **FEATURES**

Good adhesion on many hardwoods, softwoods and building boards/panels. 100% Solids

Heat resistant up to 120°C

Solvent and formaldehyde free

Designed to expand (high density foam) to maximise bond footprint

#### **TECHNICAL DATA**

Colour	Amber
Consistency	Liquid
Viscosity	4500 > at ca. 20°C, Mpa Brookfield RVT
Coverage	100 – 200g/m²
Working Time	20 minutes at ca. 20°C, 65% RH, 12% wood moisture content
Cure Time	50 minutes minimum at ca. 20°C, 65% RH, 12% wood moisture content.
Shear Strength Dry	12 > Mpa, 95% Wood Failure Dry
Shear Strength Wet	11 > Mpa, 75% Wood Failure Wet Boil
Service Temperature	-40°C to 90°C
Short Exposure	120°C up to 1 hour
Pack Size	580gm, 5kg, 20kg, 225kg & 1000kg
Shelf Life & Storage	Twelve months in unopened containers.

## **APPLICATION**

#### **SURFACE PREPARATION**

Concrete surfaces should be clean and sound. Contact Fortis for specific recommendations. Contractors should test lay a typical sample and do a destructive pull test to confirm adequate adhesion to a given substrate.

#### MIXING RATIO

Single pack. Cures by reaction with moisture from the atmosphere and the substrate.

#### APPLICATION

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.

#### **CLEAN UP**

Clean up whilst adhesive is still fluid using methylated spirits.



# TECHNICAL DATA SHEET

## SAFETY

Please refer to Fortis Safety Data Sheet for Fortis AD5205. Fortis AD5205 is safe if good working practices and proper application equipment is used. Good industrial hygiene should be observed at all times - impervious gloves should be worn when handling adhesive.

#### 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