

TECHNICAL DATA SHEET

Fortis AD5405 – Polyurethane Construction Adhesive

ISSUED: December 2014

INTRODUCTION

FORTIS AD5405 – 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	70 – 30gsm subject to substrate
Working Time	45 minutes at ca. 20°C, 65% RH, 12% wood moisture content
Cure Time	120 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.

SAFETY

Please refer to Fortis Safety Data Sheet for Fortis AD5405. Fortis AD5405 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

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