

THIXOFIX

THIXOTROPIC TOLUENE-FREE CONTACT ADHESIVE



PRODUCT INFORMATION

Alpha Thixofix contact adhesive has been developed as an easy to use, multi-purpose contact adhesive that exhibits high bonding performance and non-drip properties. Its aim is to make the bonding of laminated plastics to wood and other substrates simple whilst maintaining the well proven efficiency and strength of ordinary contact adhesives.

Alpha Thixofix contact adhesive has a gel appearance developed to ensure ease of application using the Thixofix notched spreader to deliver the correct amount of adhesive on to the materials being used. It is ideal for use on vertical surfaces without the risk of the adhesive dripping or running. It will stay in place throughout application, allowing the accurate positioning of materials to be performed due to the unique "slideability" of Thixofix to ensure the correct final finish of the bonded assembly. It also eliminates the spills and mess that is normally associated with ordinary brushable contact adhesives.

KEY INFORMATION

- Easy to apply with supplied spreader
- Thixotropic consistency, ideal for vertical and overhead application
- Multi-purpose contact adhesive
- Free from toluene
- Non-stringing
- Excellent bond strength and good temperature resistance
- Repositioning of substrates possible before curing

TYPICAL APPLICATIONS

Alpha Thixofix is suitable for the following applications:

- Bonding laminated plastics to wood, hardboard, chipboard, etc
- Bonding ABS, cork, rubber, leather, fabrics, wood, painted and unpainted metal, hardboard, plaster, plasterboard, chipboard.
- Bonding fibre boards and acoustic tiles to suspended or vertical surfaces such as dry cement/sand renderings

PRODUCT CHARACTERISTICS

The following technical information and data should be considered representative or typical only. Therefore, the information should not be used for specification purpose.

Property	Data
Colour	Amber
Base	Polychloroprene
Consistency	Thixotropic Gel
Specific Gravity (20°C)	0.870
Total Solids Content	25.0 ± 2.0 %
Heat Resistance	Up to 70°C
Open Joint Time	10 to 15 minutes*
Coverage	2.5 to 3.0 m ² of bonded area / litre*

* depending on temperature, relative humidity and absorbency of materials.

PRODUCT PERFORMANCE

The performance data presented here has been determined by Alpha Adhesives & Sealants Limited standard test methods and are average values that should not be used for specification purposes. Our recommendations on the use of this product are based on tests believed to be reliable. It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Test	Substrates	Results/Observations
180° Peel Test	Leather to Wood	> 50 N / 50 mm bond width (20°C)
Shear Adhesion Test	Steel to Steel	> 2.0 N / mm ² bond area (20°C)
Shear Adhesion Test	Wood to Wood	> 4.0 N / mm ² bond area (20°C)
Gel Structure Slump Test	N/A	No movement of adhesive gel in 15 minutes

HANDLING & APPLICATIONS

The general application information presented here is based upon typical conditions determined by Alpha Adhesives & Sealants Limited testing. Our recommendations on the use of this product are based on methods believed to be reliable. It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Process Step	Guidelines
Surface Preparation	All substrate surfaces should be abraded using abrasion paper or air-driven narrow belt sander. It is imperative that the surfaces are then cleaned of any dust, grit, loose material, wax, grease and oil using a suitable cleaner (see next page).
Adhesive Application	<p>TWO-WAY STICK</p> <ol style="list-style-type: none"> 1. Apply Thixofix Contact Adhesive with the supplied spreader to both surfaces that are being bonded. 2. Allow the adhesive to dry for approximately 10 to 15 minutes. The drying time will change dependant upon the substrates being bonded and the temperature and humidity conditions. The adhesive should be "touch dry" where no transfer of adhesive on to a glove should be apparent. 3. Bring the surfaces together and press firmly to consolidate the bond, taking care not to trap air. It is advisable to position the materials in the desired position prior to adhesive application or bonding. The unique consistency of Thixofix is allows for small adjustments to positioning to be performed.
Curing	The immediate high contact bond strength increases appreciably within the next 48 hours and will develop still further in service. For the best heat resistance, leave at room temperature for 7 days, before subjecting to high in-service temperatures up to 70°C.
Cleaning	Alpha Cleaner T559 (TF) should be used to remove residues from surfaces.

HEALTH & SAFETY INFORMATION

Alpha Thixofix is classified as hazardous according to Directive EC 1272/2008. Please refer to the Alpha Thixofix Safety Data Sheet for further health & safety information.

STORAGE

Alpha Thixofix should be stored in its original container, with the lid tightly secured, in dry conditions and at temperatures between 5°C and 25°C. Alpha Thixofix will keep satisfactorily for up to 24 months from date of manufacture if stored according to the recommended conditions.

PRODUCT AVAILABILITY

Product Reference	Pack Size	Container	Box Quantity
Thixofix	250 ml	Tin	12
Thixofix	500 ml	Tin	12
Thixofix	1 L	Tin	12
Thixofix	5 L	Tin	N/A

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