



TECHNICAL DATA SHEET

ALCOLIN FIX-ALL

Description

ALCOLIN FIX-ALL is a solvent-born synthetic rubber-based universal adhesive paste, which is used in place of nails and screws to bond virtually any rigid material together, regardless of the evenness of the surface. Adheres to virtually all common building materials and replaces nails and screws in a multitude of applications. It is excellent for use in and around the home, garage, at the office, for school projects to large industrial and construction sites.

Features & Benefits

- High initial tack
- Excellent adhesion to a variety of substrates
- Non-slump
- Gap filling properties
- Versatile
- Excellent workability
- hold small pieces in place without clamping.
- no more nailing, screwing and drilling.
- can apply easily to vertical surfaces.
- suitable for uneven surfaces.
- ideal for interior and exterior applications.
- easy to apply and spread.



Applications

- Gluing of aluminium and uPVC stair nosing, carpet edging strips, carpet grippers, building boards, etc. to stairs, floorboards and walls.
- Fixing wall signs such as name plates, house numbers, plastic lettering, information signs, picture frames and decorations.
- Bonding wall & floor tiles, windowsills, stones, electrical boxes.
- Joining floorboards.
- Placing skirting boards, dado rails, cornices, decorative panels, and cladding.
- Gluing down loose carpets.
- Installation of wooden and plaster wall and floor panels.
- Bonding of timber, metal and connection sheets to timber and concrete.

Adhesion

ALCOLIN FIX-ALL exhibits excellent adhesion to plywood, blockwood, chipboard, hardboard, MDF, timber, laminated plastics, rigid PVC, polycarbonate, aluminium, steel, galvanized iron, tin plate and other non-ferrous metals, brick, natural stone, cork, glass, cardboard, rubber, painted and varnished surfaces, fiberglass, ceramic tiles, carpet backing, sand cement screeds, concrete, plaster, plasterboard and insulation boards.

Limitations

- Not suitable for bonding heavy objects onto weak surfaces such as paint, friable plaster or soft board.
- Not suitable for placing hooks that will carry large loads such as curtain hooks.
- Not suitable for bonding polystyrene.
- Do not use in areas subject to continuous water immersion.
- Not suitable for bonding onto bitumen or asphalt.
- Not suitable for bonding some plastics, such as polyethylene, polypropylene, and Teflon.
- Not suitable as a structural adhesive.

Safety instructions

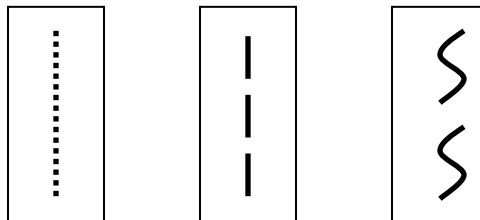
ALCOLIN FIX-ALL is flammable. Keep away from naked flames and ignition sources. Safe handling practices should be implemented to avoid irritating sensitive skin. It is advisable to wear gloves in order to avoid direct skin contact. If glue comes into contact with skin or eyes, flush thoroughly and immediately with water. If irritation continues, seek medical attention. Always work in a well-ventilated area. Do not breathe in vapors. For unventilated areas, a NIOSH approved respirator will be necessary. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

Surface preparation

- Surfaces to be bonded must be clean, structurally sound, dry and free from dust and loose material.
- Porous surfaces such as plaster and fibre cement board should first be primed with a suitable primer e.g. ALCOLIN PERMOBOND and allowed to dry thoroughly before ALCOLIN FIX-ALL is applied.
- Non-porous surfaces such as glass and metal should be degreased with a suitable solvent.
- Building panels should be cut to shape beforehand.
- Poor surface preparation may result in bond failure.

Directions for use

1. **Stair nosing's, window frames, etc.:** Apply a continuous bead (usually 6mm in diameter) to the surface being bonded. Position on the substrate, if possible, by sliding into place, and apply an even pressure overall. If the object is to be applied to a vertical surface, temporary mechanical support (e.g. panel pins, masonry nails, masking tape, etc.) may be required. Allow to dry overnight prior to any further operation e.g. fixing boards to battens, etc.
2. **Wall Panels:** Apply the desired amount of adhesive (usually 6mm in diameter) to the rear of the panel in short and discontinuous beads at approximately 5cm spacing. For an uneven surface, apply a discontinuous bead in a wave-like pattern.



Immediately present the panel to the wall slightly above its required position and applying pressure slide it into place in order to break any surface skin. Press firmly to ensure maximum overall contact, using a soft mallet if necessary. Any adjustment must be made within 5 minutes of placing. For heavier articles, after pressing panel to the wall, break the bond by pulling away immediately ensuring good transfer has occurred. Wait approximately 1 minute before rejoining the two materials and pressing firmly together. It may be necessary to use temporary mechanical support (e.g. panel pins, masonry nails, masking tape, etc.) until final bond strength is reached (approx. 24 hours – 48 hours when working with non-porous surfaces).

3. **Impervious materials (bonding of two non-porous surfaces):** Where two impervious materials are to be bonded, apply ALCOLIN FIX-ALL as above, press firmly together and break the bond by pulling away immediately ensuring good transfer has occurred. Wait for a maximum of 5 minutes and re-bond the two materials.

Cleaning

- Clean tools with white spirits or benzene before adhesive dries.

Storage stability

ALCOLIN FIX-ALL has a shelf life of at least 24 months if stored in a cool (below 25°C), dry place in its original moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable, apply-able and uncured. To maximize the shelf life of the opened cartridge, it would be advisable to create an airtight environment. This can be achieved by removing the nozzle and wiping down the opening, placing a piece of plastic over it, and finally screwing the nozzle back on. Store in a cool environment.

Product packaging

- 50ml tube
- 280ml cartridge

Product data

i. Physical data

Appearance	Homogenous non sag paste
Density	Approx. 1.11g/cm ³

ii. Application data*

Setting time	Approx. 24 hours depending on substrate porosity and environmental conditions
Workability JC/T 2186-2013	95% (stone/plastic/board) (≥90)
Coverage – 50ml tube – 280ml cartridge	2 linear metres (3.5mm x 3.5mm joint) 11 linear metres (5mm x 5mm joint)
Application temperature range	Min. -5°C to max. +45°C

*Please refer to “Directions for Use” section for further details

iii. Performance data

Service temperature range	Min. 5°C to max. +50°C
Shear strength (ISO 4587)	6hour 1.48 MPa (≥0.8)
Shear strength (ISO 4587)	24hour 2.61 MPa (≥1.5)