



# ALCOLIN FLEXIBLE WOOD SEALANT

## Description

ALCOLIN FLEXIBLE WOOD SEALANT is a wood coloured flexible sealant that provides a colour matched water resistant seal ideal for joints between wooden floors and walls, floors and skirting boards, sealing between wooden parquet boards, and the fitting of kitchen cupboards, wardrobes, and other wooden articles. ALCOLIN FLEXIBLE WOOD SEALANT is paintable with varnish, odourless, water resistant, heat resistant, sandable, and offers good primerless adhesion to a wide variety of wood species, seasoned timber, varnished wood, fabricated wood, aluminium, concrete, glass and ceramic tiles. ALCOLIN FLEXIBLE WOOD SEALANT dries to a matt finish. ALCOLIN FLEXIBLE WOOD SEALANT has a VOC of 3.74g/L, meeting the Green Building Council of South Africa 'African Green Star SA Office V1' specification of less than 250g/L.



## Features & Benefits

- Excellent adhesion - bonds to most construction materials.
- Low shrinkage - excellent gap filling properties ideal for joint sealing.
- Good flexibility - durable, accommodates joint movement up to 15%.
- Sandable - can smooth to a perfect finish.
- Stainable - varnish or paint to achieve desired finish.
- Water resistant - ideal for sealing against moisture.
- Low odour - can use in confined, poorly ventilated areas.
- Tack free finish - low dirt pick up.
- Good chemical resistance - resistant to oils, weak alkali and weak acids.

## Applications

- Sealing of joints between wooden walls and floors.
- Sealing of joints between laminated flooring, parquet flooring, wood pieces and skirting boards.
- Sealing inside and around wardrobes and built-in cupboards.
- Provide a colour matched seal between counter tops and splash-backs.
- Sealing joints between walls, windows and door frames.
- Sealing log and timber homes.
- Sealing chipboard ends.
- Flexible woodfiller.
- Non cracking window putty.

## Adhesion

ALCOLIN FLEXIBLE WOOD SEALANT exhibits good primerless adhesion to most building materials e.g. wood (soft, hard, seasoned, varnished, and painted), concrete, plaster, brick, stone, metal (stainless steel, aluminium, lead, copper, tin, galvanized iron, brass or zinc), glass, ceramic tiles, and some plastics (fiberglass, acrylics, polycarbonates and rigid PVC).

## Limitations

- Not suitable for continuous submersion under water.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- Not suitable where movement accommodation of more than 15% is required.

## Safety instructions

ALCOLIN FLEXIBLE WOOD SEALANT is non-toxic however, it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Avoid breathing in vapours. Always work in a well ventilated area. Keep out of reach of children! Cured silicone rubber can be handled without any health risk. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

## Surface preparation

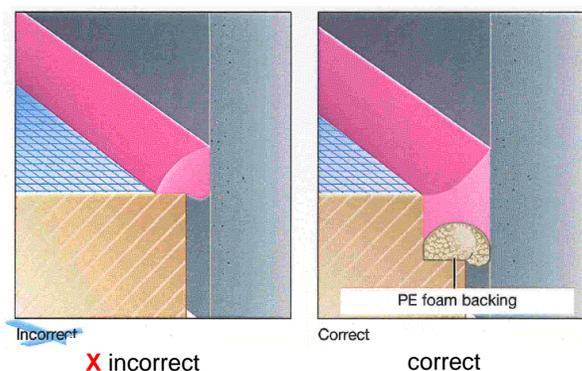
- The surface coming into direct contact with the ALCOLIN FLEXIBLE WOOD SEALANT must be clean, dry, free from all loose materials, dust, dirt, oil, rust and any other contaminants.
- Gaps greater than 6mm in depth should be partially filled with backing material.
- Ensure also, that if soaps or detergents are used to clean the surface that it is rinsed down thoroughly with clean water.
- Poor surface preparation may result in the delamination of the product.

## Directions for use

1. Ensure that surfaces are prepared as above.
2. Cut tip off cartridge and screw the nozzle onto the cartridge. Cut the tip of nozzle at an angle to achieve the desired bead size. Apply sealant with a caulking gun in a continuous bead to the prepared joint.
3. Use masking tape to get a clean, even sealant line and to eliminate cleaning difficulties. Remove the tape before sealant begins to skin
4. Smooth down immediately after application by using a flat or rounded tool. One can also use a finger, dipped in soapy water.
5. Sealant dries to touch in 30 minutes and reaches full cure after 24 hours, after which it can be painted or varnished. Use a flexible paint or varnish.
6. Protect against rain during the first 24 hours.

## Additional application notes

**Back-up materials:** These are used to partially fill the cavity to control sealant depth, make the bottom of the sealant concave and as a bond breaker to prevent uneven stresses (by preventing unwanted adherence to the base of the joint). Suitable back-up materials are closed cell PVC foam, polyurethane foam, polyethylene foam and polyethylene tape.



- If movement is expected in a joint, the sealant must be x 7 the width of the maximum movement expected e.g. if maximum joint movement of 0.5mm is expected, then the sealant width must be at least 3.5mm.
- Sealant depth should be equal to, at least, half the width of the joint.

## Cleaning

- Remove uncured sealant immediately from the hands, tools and surfaces using a water soaked cloth.
- When fully cured, sealant can be removed by mechanical means, i.e. with a sharp knife.

**Storage stability**

ALCOLIN FLEXIBLE WOOD SEALANT 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, applicable 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**

- 280ml cartridge  
Pine, Oak, Meranti, Imbuia, Cherry and Black

**Product data**

*i. Physical data*

Appearance	Homogenous non sag paste in various wood colours
Density	1.62 g/cm <sup>3</sup> at 23°C
Solids content	Approx. 78 %

*ii. Application data*

Curing time	Approx. 24 hours
Coverage – 280ml cartridge	11 metres (5mm x 5mm joint)
Touch dry time	Approx. 30 minutes

*iii. Performance data*

Elastic recovery (ISO 7389)	< 60 %
Elongation at break (ISO 37)	>150 %
Modulus 100% (ISO 37)	≥ 0.4 MPa
Movement accommodation factor	Max. 15%
Service temperature range	Min. -10°C to Max. 80°C
Shrinkage	Approx. 20%
Slump (ISO 7390)	< 5mm

*The above information is only offered as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.*

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