ALCOLIN WOODMATE

Description

ALCOLIN WOODMATE is a synthetic, siliconised acrylic sealant for wood, which locks out water, resists moisture, mildew, and is odour-free. It offers good primerless adhesion to hard and soft wood, seasoned timber, varnished or painted wood, fabricated wood, aluminium, concrete, glass and ceramic tiles

Features & Benefits

- Excellent adhesion – bonds to most construction materials
- Good flexibility and gap filling properties – ideal for joint sealing
- Acrylic feature - can be varnished or painted
- Silicone feature – excellent water-resistance and weatherability
- Mildew resistant
- Low odour – can use in confined, poorly ventilated areas
- Resistant to oils, weak alkali and weak acids

Applications

- Colour match seal between countertops and splashbacks
- Sealing joints between wood pieces
- Sealing laminate flooring
- Sealing inside wardrobes and built-in cupboards
- Sealing joints between walls and built-in cupboards
- Sealing chipboard ends
- Sealing joints between walls and window and door frames
- Timber/log home sealant
- Water vapour barrier
- Colour match seal between countertops and splashbacks
- Installation of wall, floor and ceiling paneling
- Bedding cooking tops
- Mounting wood panels
- Wood glue – requiring an elastic bond
- Flexible woodfiller and sealant
- Non cracking window putty

Adhesion

ALCOLIN WOODMATE exhibits good primerless adhesion to most building materials e.g. wood, concrete, plaster, brick, stone, metal (stainless steel, aluminium, lead, copper, tin, galvanized iron, brass or zinc), glass, some plastics (fiberglass, acrylics, polycarbonates and rigid PVC) and painted surfaces

Limitations

- Not suitable for continuous submersion under water
- Cannot be sanded due to high polymer content. Use ALCOLIN WOODFILLER instead
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon
- Not suitable where movement accommodation of more than 10% is required

Safety instructions

When working with ALCOLIN WOODMATE, it is advisable to wear gloves in order to avoid direct contact with the skin. Although the product is non-toxic, safe handling practices should still be implemented to avoid irritating sensitive skin. If product comes in contact with skin or eyes, flush thoroughly and immediately with water. If irritation continues, seek medical attention

Keep ALCOLIN WOODMATE out of reach of children!

Refer to our Material Safety Data Sheets for further toxicological information and comprehensive handling instructions

Surface preparation

- The surface coming into direct contact with the ALCOLIN WOODMATE 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

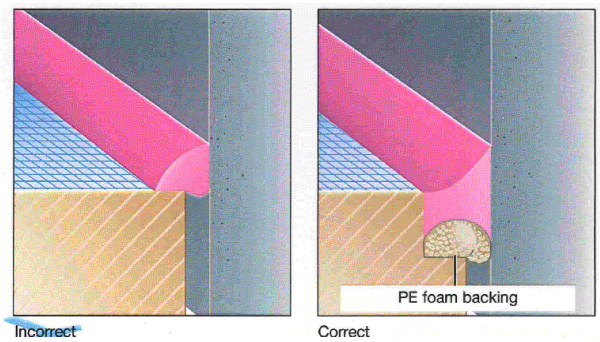
- Ensure that surfaces are prepared as above
- Cut tip off cartridge and screw the nozzle onto the cartridge. Cut the tip of nozzle at an angle to achieve the desired bead size. Apply sealant with a caulking gun in a continuous bead to the prepared joint
- Use masking tape to get a clean, even sealant line and to eliminate cleaning difficulties. Remove the tape before sealant begins to skin
- Smooth down after application (within 10 minutes) before skin formation occurs, by using a flat or rounded tool. One can also use a finger, dipped in soapy water
- Sealant dries to touch in 1 hour and reaches full cure after approximately 24 hours
- When fully cured, sealant can be removed by mechanical means, i.e. with a sharp knife
- Protect against rain during the first 24 hours
- If sealant is to be overcoated, use flexible varnish or paint
- Due to high shrinkage rate of the product, some applications e.g. joint sealing may require a double application of product

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

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 0f the joint). Suitable back-up materials are closed cell PVC foam, polyurethane foam, polyethylene foam and polyethylene tape



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- If movement is expected in a joint, the sealant must be x10 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 5mm
- Sealant depth should be equal to, at least, half the width of the joint

Storage stability

ALCOLIN WOODMATE 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 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

300ml cartridge
Pine, beech, oak, cherry, meranti, imbuia

Product Data

i. Physical Properties

Appearance	Homogenous non sag paste in various wood colours
Density	1.05 g/cm^3 at 23°C
Solids content	Approx. 65 %

ii. Application Properties

Curing time	Approximately 24 hours per 2mm
Coverage – 300ml cartridge	12metres (5mm x 5mm joint)
Skin time	Approximately 10 minutes

iii. Performance Properties

Slump (ISO 7390)	< 5mm
Service temperature range	Min. -10°C to Max. 80°C
Movement accommodation factor	10%
Elastic recovery (ISO 7389)	< 60%
Modulus 100% (ISO 37)	0.4MPa
Elongation at break (ISO 37)	500 – 600%

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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