



TECHNICAL DATA SHEET

ALCOLIN PERMOMASTIC

Description

ALCOLIN PERMOMASTIC is a solvented, rubber-based sealant, which has excellent adhesion, strength, flexibility and resists cracking and will form an effective durable seal against water, dust and fumes. It is easy to apply and is compatible with most material used in construction.

Features & Benefits

- Good flexibility - crack resistant.
- Good durability - suitable for exterior use.
- Good adhesion - bonds to a variety of substances.
- Paintable - can be painted over once cured.
- Water-resistant - for outdoor applications.
- Chemical resistant - resists oils, weak alkali and weak acids.
- Non-slump - can be applied to vertical surfaces.
- Gap filling - ideal for filling cracks.
- Provides a smooth finish - no need for sanding.

Applications

- Building sealant.
- General purpose joining and sealing of down pipes, gutters and air condition ducting.
- Pipe joint sealing.
- Primary or secondary concrete joint sealer.
- Repair of cracks and leaking joints.
- Manhole joints.
- Water vapour barrier.
- Bedding and pointing of window and door frames and bedding of windowsills.
- Bedding sheet roofing onto structural frames.
- Bedding flanges in gutters, pipes and duct work.
- Bedding components in caravan and coach building.
- Sealing lap joints in construction.
- Bedding beads into glazing systems.
- Sealing roof-bolts.
- Filling chinks, slits and seams between stairs and handrails, skirting boards, cornices, etc.
- Draft proofing air gaps.



Adhesion

ALCOLIN PERMOMASTIC exhibits good primerless adhesion to concrete, plaster, brick, stone, masonry, glass, aluminium, glazed tiles, metals, uncoated wood and some plastics. If there is any uncertainty regarding the application, adhesion tests should be carried out.

Limitations

- Not suitable for continuous submersion under water.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- May affect some plastic substrates. Test compatibility.
- Not suitable where movement accommodation of more than 15% is required.
- Not recommended for use as a floor joint.

Safety instructions

ALCOLIN PERMOMASTIC 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

- The surface coming into direct contact with the ALCOLIN PERMOMASTIC must be clean, dry, free from all loose materials, dust, dirt, oil, rust and any other contaminants.
- Non-porous surfaces should be degreased with solvents.
- Priming is not required.
- Gaps greater than 6mm should be partially filled with backing material.
- Poor surface preparation may result in the delamination.
- If applying a paint over ALCOLIN PERMOMASTIC, we advise priming with a suitable solvent based primer before applying a paint or topcoat.

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. Use masking tape to get a clean, even sealant line and to eliminate cleaning difficulties. Be sure to remove the tape before sealant begins to skin.
3. Smooth down after application (within 3 - 5 minutes) before skin formation occurs, by using a flat or rounded tool. One can also use a finger, dipped in soapy water.
4. Sealant dries to touch in 1 hour and reaches full cure after approximately 24 hours.
5. If the sealant is exposed to the sun, prime and coat with a flexible paint.

Cleaning

- Uncured sealant can easily be removed from the hands or tools using a solvent soaked cloth, e.g. turpentine or lacquer thinners.
- When fully cured, sealant can be removed by mechanical means, i.e. with a sharp knife or chemically, with ALCOLIN PAINT STRIPPER.

Storage stability

ALCOLIN PERMOMASTIC has a shelf life of at least 12 months if stored in a cool, dry place below 25°C in its original sealed moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily un-useable; 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, we recommend that the nozzle be removed and a piece of plastic placed over the cartridge tip, after which the nozzle must be screwed back on. A large screw inserted into the nozzle tip also helps to extend the life. Store in a cool environment.

Product packaging

- 280ml cartridge

Product data

i. Physical data

Appearance	Homogenous non sag paste in grey or white
Density	1.3 g/cm ³ at 23°C

ii. Application data*

Skin over time	Approx. 20 - 60 minutes (23°C @ 50% RH)
Curing time	Approximately 24hours per 2mm
Coverage – 280ml cartridge	11 metres (5mm x 5mm joint)

iii. Performance data

Service temperature range	Min. -10°C to max. 80°C
Movement accommodation factor	15%