



TECHNICAL DATA SHEET

ALCOLIN CONTRACTORS ACRYLIC

Description

ALCOLIN CONTRACTORS ACRYLIC is a water based general-purpose, flexible sealant that is used for caulking, grouting, jointing and embedding in building construction. It is easy to apply and compatible with most materials used in construction e.g. concrete, wood, brick, natural and artificial stone, glass, metal and sanitary ware. ALCOLIN CONTRACTORS ACRYLIC resists cracking and gives a smooth finish and is suitable for interior and exterior use. It can be used as a general-purpose sealant suitable for most joints where small movement accommodation is expected, as a flexible crack filler before painting jobs or for sealing construction frameworks e.g. window frames, door frames, floorboards, ceilings and roofs. Also used as an adhesive and filler to embed cornices. ALCOLIN CONTRACTORS ACRYLIC has a VOC of 21.78g/L, meeting the Green Building Council of South Africa 'African Green Star SA Office V1' specification of less than 250g/L.



Features & Benefits

- Over paintable in one hour
- Flexible
- Versatile
- Provides a smooth finish
- Non-slump
- Gap-filling
- Non-toxic
- Resistant to UV radiation and moisture
- ideal for quick repairs.
- crack resistant.
- good adhesion to a variety of substrates.
- no need for sanding.
- can be applied to vertical surfaces.
- ideal for filling cracks.
- water based, low odour and - safe to use.
- long life durability, suitable for exterior applications.

Applications

- ALCOLIN CONTRACTORS ACRYLIC can be used for caulking, grouting, jointing, embedding cornices, as a flexible crack filler, sealing between door and window frames and walls, and holding down roof sheets.

Adhesion

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

Limitations

- Not to be used where high movement accommodations is needed.
- Not to be used on oily or bituminous substrates, rubber or building material that may bleed oils, plasticizers or solvents.
- Not recommended for use in floor joints, as a glass sealant, or joints subject to continuous water immersion.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- Not sandable.

Safety instructions

ALCOLIN CONTRACTORS ACRYLIC is non-toxic. Wear rubber gloves to avoid direct contact with skin. Avoid contact with eyes. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Keep out of reach of small children! Cured ALCOLIN ACRYLIC SEALANT can be handled without any health risk. Refer to our Safety Data Sheet for further toxicological information and comprehensive handling instructions.

Surface preparation

- The surface coming into direct contact with the ALCOLIN CONTRACTORS ACRYLIC must be clean, dry and free from all loose materials, dust, dirt, oil, rust and any other contaminants.
- Non-porous substrates such as metals, glass and plastics should be degreased with a solvent. Plastics can be lightly abraded with emery paper.
- Poor surface preparation may result in the delamination of the sealant.
- Gaps exceeding 5mm should be half-filled with backing material before application.

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 on porous surfaces. Be sure to remove the tape before sealant begins to skin.
4. Smooth down after application (within 20 minutes) before skin formation occurs, by using a flat or rounded tool, or even a finger, dipped in soapy water.
5. Leave for at least one hour before painting
6. Allow to cure for at least 24 hours before exposing to water.

Cleaning

- Remove excess acrylic sealant and clean tools immediately after application, using soapy water.
- Cured acrylic sealant can be removed mechanically i.e. with a sharp knife.

Storage stability

ALCOLIN CONTRACTORS ACRYLIC 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

- 260ml cartridge

Product data

i. Physical data

Appearance	White homogenous non sag paste
Solids	Approx. 82%
Density	Approx. $1.65 \pm 0.03 \text{ g/cm}^3$

ii. Performance data

Coverage – 20ml 6cartridge	10 linear meters (5mm x 5mm joint)
Elongation at break (ASTM D412 C)	Approx. 100%
Movement accommodation	Approx. 7%
Application temperature	Min. -5°C to max. +35°C
Service temperature range	Min. -10°C to max. +80°C
Setting time	Approx. 2mm per 24 hours
Shore A hardness	n/a
Shrinkage (volume)	29%
Skinning time	Approx. 15 - 60 minutes (23°C @ 50%RH)
Tensile strength (ASTM D412 C)	>0.1 Mpa
Maximum tensile strength (ASTM D412 C)	>0.2 Mpa

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