

MONNELI ACRYSEAL AC

Single Component Gun Grade Sealant

Product Description

A single component gun grade sealant formulated by using acrylic emulsions and special additives. Hence, the product is easy to apply and efficiently seals joints between construction parts subjected to moderate stress. It is a ready to use and seals internal and external joints in porous substrate such as concrete, plastics, asbestos, cement, brick work and wood. ACRYSEAL AC can be used for sealing all low movement joints.

Uses

- Around doors and window frames
- Around ventilation grills
- Joints between ceilings and wall
- Joints in block work where only low movement is expected
- Sealing of duct holes, etc.
- Crack filling

Advantages

- Easy – to – use one component type.
- Cures at room temperature at ambient humidity conditions.
- No surface pre-treatment or primer required in most of the surfaces.
- Water based low VOC sealant.
- Non-Cracking.
- Accommodates upto 20% joint movement

Instructions for Use

Acryseal AC is supplied as a ready to use product. The product can be used with normal caulking guns. Surface must be clean, dry and should be free from oil, grease, dust and frost. After suitable joint preparation and masking, attach the nozzle to cartridge, cut to required dimension and the sealant is gunned into gap continuously. The non sag paste consistency of the material makes it very friendly to use, easy to tool with spatula.

The product cures at room temperature when it is exposed to moisture and the curing happens from surface to inside the sealant. The skin formation happens within a maximum period of 10 minutes. Any necessary tooling has to be completed within 5 minutes of application. If in case masking tape is used to mark off the area, it has to be removed before skin is formed. Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended.

Apply Acryseal AC in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms (typically within 5 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

Curing

The time required for curing is affected by atmospheric conditions like relative humidity and temperature, degree of confinement and thickness of the sealant. Curing time increases with thickness. The application in confined spaces generally lengthens the curing process. It is possible that in total confinement the curing will not be complete and this will result in the softening of the sealant in elevated temperatures. Metal to metal bonds should not overlap more than one inch. Every application involving confinement while curing must be thoroughly tested before commercialization.

Caution

Direct contact with uncured sealant irritates eyes and may irritate the skin. Over exposure to vapour may irritate nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water. Keep out of reach of children. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage.

Technical Data

Properties	Results
Composition	Water based Acrylic dispersion and fillers
Consistency	Smooth and pasty
Colour	White
Skin Formation	5 - 10 minutes
Handling Dry	24 hours
Full Curing	7 days
Specific Gravity	1.63
Slump resistance	No slump
Minimum joint width	6 mm
Adhesion	Good to common building materials
Paintability	Can be over painted with all normal decorative type paints.

All values are subject to 5-10 % tolerance

Packaging

ACRYSEAL AC is available in standard 280 mL. caulking cartridges. Other sizes like sausage and tubes are available upon request.

Storage

Store in cool dry place, not over 25°C away from direct sun light and source of heat, don't allow freezing. It has a shelf life of 2 years from the date of manufacturing if stored in original unopened container. In places where high heat and humidity are present, special precautions must be taken. Store product in a covered, well ventilated warehouse and avoid excessive heat conditions.

Storage in high heat, high humidity condition may reduce shelf life by around 30%. Follow First In First Out strictly. Cartons should always be stacked upright with nozzle tip pointing upwards. Don't stack cartons on their sides. Never stack cartons more than 8 high. Don't store within one meter of roofing of the ware house or storage building.

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