

Product Data Sheet



ASMACRYL 55

Product Description:

ASMACRYL-55 is a single component gun grade sealant based on fire resistant acrylic emulsions. The sealant is suitably formulated by using special additives and chemicals. Hence, the product is fire resistant, easy to apply and seals joints between construction parts subjected to moderate stress.

It is ready to use and seals internal and external joints in porous substrates such as concrete, plastics, asbestos, cement, brick work and wood. Asmacryl-55 can be used for sealing all low movement joints and restricts the passage of fire and smoke from room to room and to escape routes. Since the sealant is water-based, it is user friendly and free from chlorine.

Key Performance Properties:

- 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.

Applications:

- 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.
- Fire retardant applications
- Self extinguishing to suit areas where there is a chance of fire

Typical Properties:

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	1.6
Slump resistance	No slump
Minimum joint width	6 mm
Shrinkage	15 % maximum
Adhesion	Good to common ducting materials
Paintability	Can be over painted with all normal decorative type paints.



ASMACRYL 55 Fire Resistant Acrylic Sealant

Acrylic Sealant

High Performance

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Usage Instructions:

ASMACRYL 55 is supplied as a ready to use product. The product can be used with normal caulking guns. Surface should be clean, dry and free from oil grease or any other contamination. The sealant should be carefully applied using a mastic gun, ensuring that the material is forced well into the gap to obtain the correct joint and achieve good adhesion between surfaces. Necessary tooling to be done within 5 minutes. Do not apply sealant if it is raining or about to rain. After applying, protect from rain at least for 8 hours. 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 ASMACRYL 55 Acrylic Sealant 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.

Cure Time:

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. Sealant liberates acetic acid on curing. Keep out of reach of children. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage.

Storage and Shelf Life:

Store in cool dry place, not over 25°C away from direct sun light and source of heat. Asmacryl 55 has a shelf life of 11 months 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 warehouse or storage building.

Packaging:

Asmacryl 55 is available in standard caulking cartridges. Other sizes like sausage and tubes are available upon request.

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non – Warranty: Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.

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POLYURETHANE FOAM • SPRAY PAINT • SILVER CLOTH DUCT TAPE • CREPE PAPER MASKING TAPE • ALUMINIUM FOIL TAPE
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