

CHEMXSEAL 32- 17

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Type Acrylic Sealant – Anti fungal duct sealants

Description **CHEMXSEAL 32-17** is fire retardant, aqua based, vapor barrier sealant for low, medium, and high pressure or high velocity- metal, fiberglass and flexible heating and air conditioning air ducts. It is highly elastic in nature. It has excellent adhesion to metal, aluminum, etc. This exhibits excellent strength, flexibility and resistance to heat and cold. It performs as tough and flexible adhesive and sealant, forming a durable seal against air leakage.

CHEMXSEAL 32-17 does not contain Asbestos, Lead, Mercury or Mercury Compounds.

Recommended Use **CHEMXSEAL 32-17** is highly recommended in application where fibrous glass and other type of insulations are bonded to the interior or exterior of metal duct system

CHEMXSEAL 32-17 is ideal for sealing ASJ, FRK and FSK jackets and board facings at joints, laps and over staple and weld pin puncture and for sealing flexible air duct to rigid connectors

Features

- Highly antifungal
- Resistant to mold, mildew, water, extreme temperature changes and aging
- Resistant to oil, grease and mildly resistant to diluted alkalis and acids

Form Supplied Cartridge

Specification

Property	Value	Unit of Measurement	Method
Specific Gravity	1.6 ±0.10	Kg/Lt.	ASTM D 1475-98
Skin Forming Time	9	Minutes	XSTM 09
Viscosity Flow	Non Sag Paste		
Hardness	11	Shore AASTM D 2240	
Tensile Strength	5-8	Kg/cm2	XSTM 11
Service Temperature	-50 to 150	°C	XSTM 07
Tack Free Time	4-8	Minutes	XSTM 17

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Other Data

Appearance	Clear/White/Black/Grey
Cure System	Acetoxy
Hardening Speed, in 24Hrs	>2 Mm
Full cure	1-5 Days Depending on bead thickness, humidity and temperature
Adhesion on:	
Concrete	Excellent
Ceramic	Excellent
Mild Steel	Good

Surface Preparation

The surface should be structurally sound, clean, dry, leveled and free from dust curing compounds grease and other loose debris.

Application Procedure

CHEMXSEAL 32-17 is applied to clean, dry, oil-free and sounded surface, by power Extrusion or trowel uniformly.

Packaging

455 gm / 500 gm / Carlton (24 Cartridges)

Shelf Life

12 months from date of manufacturing in an original unopened container

Storage

Store product (10°C - 40°C) for maximum storage life. Higher temperatures reduce normal storage life. Lower temperatures may cause increased viscosity of a temporary nature. Rotate stock on a "first in-first out" basis.

Cleaning

Tools: Clean immediately after use with water or white spirit if the material has dried.
Surface: Immediately remove any adhesive from the surface of the floor covering with a damp cloth.

Health & Safety

Please refer to the MSDS.

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PRODUCT DATA SHEET

ASMACRYL 25 Duct sealant

PRODUCT DESCRIPTION:

ASMACRYL-25 is a single component gun grade sealant formulated by using acrylic emulsions and special. 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. Asmacryl 25 can be used for sealing all low movement joints

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:

- HVAC ducting application
- Sealing of duct holes, insulation foam joints, etc.
- Aluminum, MS or Galvanized metal ducts....

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	1.63
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.

USAGE INSTRUCTIONS:

ASMACRYL 25 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 25 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 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 25** 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 ware house or storage building.

PACKAGING:

Asmacryl 25 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.

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