

Type Low VOC Synthetic Elastomer based adhesive

Description **Aerofoam NBR low VOC** is specially developed Zero VOC , air drying contact adhesive that is excellent for seams and butt joints of Pipes and sheet insulation for line temperature ranging from 90 °C to 120 °C. The adhesive may also use to bond the sheet insulation to flat or curved metal surface with operating temperature ranging from 60 °C to 80 °C
It comply to MIL-A-24179A, Type II, class I
Zero VOC g/ltr , when calculated according to 40 CFR, subpart D (EPA method 24) less water and less exempt solvents, calculated and reported as per SCAQMD 1168

Recommended Use **Aerofoam NBR low voc** LV will make resilient and heat resistant bond with many materials where use of low VOC solvent based, rubber based adhesive is suitable and required. It is specially developed to meet to criteria for reduced emission of Volatile Organic Compound. ideal product for Insulation for Polyolefin Foam Insulation, PUR, Nitrile Sheet to Metal, Air Ducts, Slabs and Pipe Section.

Features Developed to meet South Coast Air Quality Management District (SCAQMD) Rule 1168
 Excellent Adhesion and High Strength various substrate
 Fire Resistant
 Excellent Bonding to Porous and Non Porous Surface
 Chemical Resistant
 Excellent Heat
 Resistant UV Resistant

Form Supplied Black Liquid

Specification

Property	Value	Unit of Measurement	Method
VOC Content	< 40 g/ltr	g/ltr	SCAQMD 1168
Specific Gravity	0.84 ± 0.05	g/cc	ASTM D 1475-98
Solid Content	30 ± 2	%	ASTM D 1644-01
Viscosity(SP6,RPM20)	400 -1000	cPs	ASTM D 2196
Flash Point (Wet)	>30	°C	ASTM D 92

Other Data

Tack Time	3 -5 minutes (depending on ambient temperature)	
Bond Time	3 -6 minutes	
Full Cure Time	36 Hours	
Service Temperature	-25° C to 100°C	Chemical Resistance
Coverage	4 to 8 m ² /per liter	Excellent water resist.

Surface Preparation

The surface should be structurally sound, clean, dry, leveled and free from dust curing compounds grease and other loose debris according to BS 8203

Application Procedure

Mix well before use. For proper adhesion the surface must be cleaned, dry and unheated. Brush or roll a thin even coat of adhesive on both the surface to be joined. Allow the adhesive film to become dry to touch but tacky, before joining the surface. **Avoid Open time of more than 10 minutes.** Press the two surface together. Be sure the insulation is in desired position before the adhesive surface make initial contact, since the adhesive forms an instant bond and repositioning after contact is difficult. Moderate pressure should then be applied to the entire bonding area to insure complete contact.

Packaging

Metal Can

Storage

SHELF LIFE up to 12 month from manufacturing date, if stored below 25 °C
Store under cover, protect from direct sunlight and high temperature
Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.

Cleaning

Clean with warm water and soap when wet. Mineral spirit, when dry.

Health & Safety

As with all chemicals, caution should always be exercise

-The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.