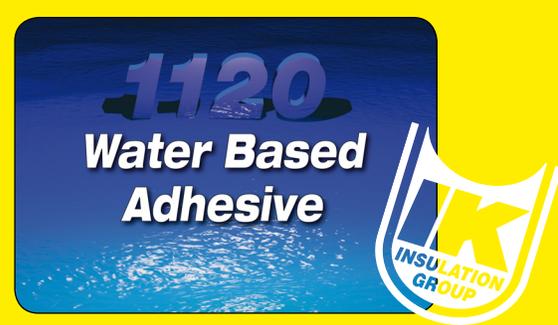


K-FLEX® 1120 WATER BASED ADHESIVE

Fast Tack, Water Based Adhesive



DESCRIPTION

K-FLEX 1120 Water Based Adhesive is a high performance water-based, one-part adhesive formulated for fast bonding and long term heat resistant bonds. It meets Southcoast Air Quality Management Rule 1168 (SCAQMD) and LEED (Leadership in Energy and Environmental Design) IEQ 4.1, 4.5 and 4.6 VOC emission regulations.

AVAILABILITY

K-FLEX 1120 Water Based Adhesive is neutral in color and is available in 1 gallon bottles, 5 gallon bottles and 52 gallon drums.

APPLICATIONS

K-FLEX 1120 Water Based Adhesive is specially designed for use with K-FLEX Duct Liner Gray insulation. It is non-flammable and repositionable while wet. The product forms a long-term, stable bond and may be used for bonding elastomeric insulation products to a variety of materials (i.e. elastomers, metals, etc.). It contains no halogens, making it ideal for use with K-FLEX ECO® (non-halogen) insulation too.

INSTALLATION

K-FLEX 1120 Water Based Adhesive should only be used on clean, dry surfaces. It does not require agitation before use and can be brushed, rolled or spray applied. The quickest bonds can be made through spray application using a fine, mist-like spray pattern. Spray a uniform, light coat of adhesive to both surfaces holding spray applicator 10-15 inches from surface. For foam-to-metal bonding, typical coverage rates (listed

in the chart) should be applied to both surfaces to be joined. K-Flex recommends user evaluation to determine the optimum coverage levels. Bonds may be made up to 1 - 10 minutes after application depending on ambient temperature and humidity conditions. Pressure sufficient to assure the substrates make contact should be applied to the bond line by manual or mechanical methods. For clean up, wet adhesive may be removed with a 1:5 water to vinegar solution, followed with a flush of clean water. Dry adhesive may be removed with solvent-based cleaners and mechanical systems such as wire brushing.

Appropriate application equipment is recommended for enhanced performance (equipment manufacturer's instructions should be used):

Air Atomizing Spray Equipment

Pressure Fed Hand Held Spray Guns (i.e. Binks 95 or 2001, 66R Cone or 66SD Fan, 20-30 psi air pressure, 66SS fluid tip, 10-20 psi fluid pressure).

Pressure Pots

Stainless steel pots are recommended. Non-stainless may be used with plastic liners if dip tube and fittings are changed to plastic or stainless steel.

Pumping Equipment

A 1 inch inner diameter (minimum) plastic diaphragm pump with PTFE checks and diaphragms is recommended. All pumps should be short stroked for pump longevity.

Filter (pump output)

Graco® model 12 (stainless steel) with filter bag #521-264 or equivalent is recommended.

Hoses

All fluid hoses should be nylon or polyester lined. Hose fittings should be stainless steel or plastic. The typical fluid hose length @ 1/4" i.d. should be 15' to 25'. Use of larger fluid hose i.d. or lengths less than 15' will result in loss of fluid pressure control. Use of smaller fluid hose i.d. or lengths greater than 25' can result in product coagulation in the line.

Refer to Product Label and Safety Data Sheet for health and safety information before using this product. The technical information, recommendations and other statements contained in this document are based upon tests or experience that K-Flex believes are reliable, but the accuracy or completeness of such information is not guaranteed. User is solely responsible for evaluating this product and determining whether it is fit for a particular purpose and suitable for user's method of application.

SPECIFICATION COMPLIANCE

- ASTM E84: 25/50
- ASTM C916
- ANSI 2.5
- NFPA 255
- UBC 8-1 (42-1)
- UL 723
- UL 2395
- GREENGUARD® Certified
- Contributes to LEED™ EQ Credits



PHYSICAL PROPERTIES	K-FLEX 1120 CONTACT ADHESIVE
Color	Neutral
Base	Acrylic Emulsion
Solids Content - bulk (by weight)	46 - 51%
Viscosity	400 - 1000 cps (Brookfield RVF #3 sp at 30 rpm, room temperature)
Density	8.0 - 9.0 lbs per gallon
pH	4.5 - 6.0
Shelf Life	12 months from date of shipment when stored at recommended temperatures in the original, unopened container.
Storage Temperature	60°F - 80°F. Higher temperatures reduce normal storage life. Lower temperatures cause increased viscosity of a temporary nature. This water-dispersed adhesive will become unusable with prolonged storage below 40°F. Protect from freezing.
Suggested Application Method	Brush, Roll or Spray
Flammability	Non-flammable in the wet state.
Coverage (to single surface)	Typical Coverage (@ 2.5 dry g/ft ²) ~720 ft ² /gallon
Bonding Range	1 - 10 minutes
VOC (Volatile Organic Compounds) Content*	0 g/l Test Method: calculated SCAQMD rule 443.1 Meets Requirements for LEED™ EQ Credits & SCAQMD 1168

*less water and exempt solvents



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