Childers®

Mastics, Coatings, Adhesives, Sealants

CHIL-STIX® FRN CP-82 Adhesive

FIRE RESISTIVE, NON-FLAMMABLE NEOPRENE BASE CONTACT ADHESIVE FOR VAPOR BARRIER LAPS AND INSULATIONS

DESCRIPTION
Chil-Stix® FRN CP-82 is a neoprene based contact adhesive with exceptional bond strength. It is non-flammable in the wet state and meets the performance requirements of Military Specification MIL-A-3316C, Class 2, Grade A.

USES
CHIL-STIX FRN CP-82 adhesive is ideal for adhering many types of insulations such as fibrous glass, laminated scrims, foils, many plastic films, and various foams, both flexible and rigid. **The solvents in this adhesive will attack polystyrene foams and may attack certain other plastic foams, plastic films, and plastic laminates.**
CHIL-STIX FRN CP-82 adhesive effectively adheres the laps of most types of vapor barrier jackets. Because of its superior contact properties it finds many uses both inside and outside of the insulation industry.

APPLICATION
CHIL-STIX FRN CP-82 adhesive is best applied by brush.

ADVANTAGES
- CHIL-STIX FRN CP-82 adhesive is non-flammable in the wet state and fire resistive when dry.
- The dry bond properties of CHIL-STIX FRN CP-82 make it advantageous for use as a vapor barrier lap adhesive.
- This adhesive is easy to brush.
- It is a fast drying neoprene adhesive which actually becomes stronger with age.
- A tight, unbreakable bond is immediately formed upon contact of the two coated surfaces.
- Non-flammable chlorinated solvents eliminate explosion and fire hazards during application.

CERTIFIED
- Meets NFPA Standard 90-A and 90-B 25/50 requirements.
- Meets ASTM C-916, Type 1.
- Meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 2.2 g/l, less exempt solvents.
- This product has been tested according to ASTM E-84 (Surface Burning characteristics of Building Materials).

For available standard container sizes see the latest price list or contact Customer Service.

See other side for specification and application information.

Visit us on the web at www.fosterproducts.com

COLORS
Light tan

WET WEIGHT
11.1 lbs./U.S. gal.
1.3 kg/liter

AVERAGE NON-VOLATILE
30% by weight

SERVICE TEMPERATURE RANGE
(Temperature to which dry coating is subjected.)
-30ºF to 200ºF
-34ºC to 93ºC

APPLICATION TEMPERATURE RANGE
40ºF to 100ºF
4ºC to 38ºC

BONDING TIME
0 to 5 minutes - 1 surface
20 minutes to 1 hour - contact

COVERAGE
150 to 250 sq. ft./U.S. gallon
(3.6 to 6.1 sq. meters/liter)
For Sealing 2" (5.08 cm) wide Laps:
600 to 750 lin. ft./U.S. gal. (48 to 60 m/liter)
Varies with substrate

CLEAN-UP
Non-Flammable: Chlorinated Solvents
Flammable: Xylene

CLASSIFIED UL

ADHESIVES
SURFACE BURNING CHARACTERISTICS

Applied to Inorganic Reinforced Cement Board

Flame Spread:	10
Smoke Developed:	0

Tested as applied at a coverage rate of 200 ft^2/gal
312U

CP-82 contains no asbestos, lead, mercury, or mercury compounds.

H.B. Fuller Construction Products Inc.

Customer Service
800-832-9002

1105 South Frontenac St.
Aurora, IL 60504

Fax
800-942-6856

Suggested Specifications CHIL-STIX® FRN CP-82

ADHESION OF BLANKET INSULATIONS TO DUCTS
All fibrous glass (or other) insulations shall be applied to duct using CHIL-STIX FRN CP-82 adhesive. Entire sheet metal duct surface shall receive a coat of CHIL-STIX FRN CP-82 adhesive applied at a maximum coverage of 250 sq. ft. per gallon (6.1 sq.m/l).

NOTE TO SPECIFYING ENGINEER
Since an adhesive has no better strength than the material it is adhering, and since most insulations such as fibrous glass tend to delaminate, it is desirable in most cases to use welded pins or adhered clips and retaining washers as useful adjuncts to securement. Such welded pins or clips are usually fastened on 18"-24" (45-60 cm) centers, and are particularly necessary in duct lining work, or across the bottoms of ducts, which are being wrapped.

LAPS OF VAPOR BARRIER JACKETS ON PIPE AND DUCT INSULATION
All laps of factory applied jackets and tapes for butt joints shall be adhered with CHIL-STIX FRN CP-82 adhesive. Minimum overlaps shall be 2" (5.08 cm). Laps should be smooth and continuous.

LAPS OF PRESIZED GLASS CLOTH PIPE COVERING JACKETS
All laps of presized glass cloth pipe covering jackets shall be adhered with Childers CHIL-STIX FRN CP-82 adhesive, smoothing out all wrinkles to insure a smooth attractive finish.

Application Guide and Suggested Procedures

1. USE OF MATERIAL
CHIL-STIX FRN CP-82 is a pigmented adhesive, which should require very little mixing. Sometimes upon standing, there will be separation, requiring some mixing before using. **DO NOT THIN**.

Although it will not freeze at low temperatures, it is suggested that CHIL-STIX FRN CP-82 adhesive not be applied at temperatures lower than 40º F (4º C) due to the possibility of condensation or frosting on metallic surfaces, which retards drying and inhibits bonding. Applications made at temperatures exceeding 100º F (38º C) may result in blistering.

Use only in well ventilated areas. Avoid prolonged breathing of vapors and prolonged or repeated contact with skin.

2. THE CONDITION OF THE SURFACES TO BE COATED
Chil-Stix FRN CP-82 adhesive may be applied over almost any type of substrate. It is advisable that metal surfaces be as oil free as possible. No primer is required over galvanized steel to gain maximum adhesion. Do not apply over wet or damp surfaces, as the adhesion will be affected.

3. APPLICATION
CHIL-STIX FRN CP-82 adhesive is a brush adhesive. For applying blanket to sheet metal duct where spray type adhesives are desired, CHIL-SPRAY® NF CP-89 adhesive is recommended. When used as a contact cement, apply CP-82 to both surfaces. Allow it to dry before bonding.

For adhering light density insulation such as fibrous glass blanket to sheet metal duct, the CHIL-STIX FRN CP-82 adhesive should be brush applied at a maximum coverage rate of 250 sq. ft. per gallon (6.1 sq.m/l). It is not necessary to prime galvanized steel or aluminum. The insulation should be firmly embedded into the adhesive immediately after the application of the adhesive, making sure of complete contact. It is advised that the user determine the best bonding period based upon the particular working conditions such as temperature, humidity, and air movement. It is suggested that the adhesive be applied in 100% coverage. It is advisable to use mechanical fastening devices such as welded pins, particularly on the bottom of wide ducts, or other overhead applications.

The solvents in this adhesive will attack polystyrene foam and might attack certain other plastic foams, films or laminates. The user should determine by prior test that this adhesive may be used with a specific material and under the application conditions which exist.

For adhering the laps of pre-sized glass cloth, the adhesive may be applied to the under side of the lap, and then when tacky, the lap should be firmly adhered working from the center of the section outward to effect a smooth surface finish.

For adhering the laps of vapor barrier jackets, as on pipe insulation, it is suggested that the adhesive be applied at a heavier rate than for applying blanket insulation. It is preferable to coat both surfaces of the jacket, or as an alternate, coat the underside (foil side); strike the lap: then wait until the adhesive is dry so that none is transferred to the finger when touched. The time allowed for sealing can be as long as several days. Jackets may have adhesive applied to the lap in advance and sealed after the adhesive is dry. In all cases of lap adhesion, it is suggested that the laps be sealed together by working from the center outward, to effect smooth surface finish.

CUSTOMER SERVICE—800-832-9002

For professional use only. Keep out of reach of children.
Consult Material Safety Data Sheet and container label for further information.