

MEMTECH, INC.

9033 GENERAL DRIVE, PLYMOUTH, MI 48170

734-455-8550

WWW.MEMTECHACOUSTICAL.COM

INSULATION BULLETIN **FITTING INSTALLATION INSTRUCTIONS**

TECHLITE PRE-FORMED INSERTS AND PVC COVER

INSTALLATION OF PRE-FORMED INSERTS ON FITTINGS SHALL BE AS FOLLOWS:

- (1) Install the two pieces of pre-formed insulation insert onto the fitting with the longitudinal joints tightly butted and secure with tape. For condensation and cold process lines use a vapor barrier coating.
- (2) Cover with PVC molded jacket and secure following good mechanical practices.
(Note: PVC covers and pre-formed TechLite inserts are manufactured to plus or minus tolerances. It may be necessary to shave or trim to affect a more perfect fit. This can be done easily with a knife or sanding block.)
- (3) Permanently seal with a generous bead of fastener weld or silicone at all joints. PVC tape can be used as a temporary seal while the fastener weld or silicone cure. Use silicone to fill-in any gaps. Condensation and cold process lines need to be sealed and made vapor barrier tight in accordance with good mechanical practice and following standard industry procedures.

TECHLITE DIAPER INSERTS AND PVC COVERS

INSTALLATION OF PRE-CUT DIAPERS ON FITTINGS SHALL BE AS FOLLOWS:

- (1) Wrap conditioned diaper insulation around fitting and tuck ends into fitting throat.
- (2) Edges of adjacent insulation shall be butted, tufted and tucked to fully insulate fitting to thickness of adjacent pipe insulation. Use two or more thicknesses if necessary. Conditioned TechLite is most workable in one inch thickness.
- (3) If two layers of insulation are used, wrap and secure them with tape or twine. For condensation or cold process lines use a vapor barrier coating.
- (4) Cover with PVC molded jacket and secure following good mechanic practices.
- (5) Permanently seal with a generous bead of fastener weld or silicone at all joints, PVC tape can be used as a temporary seal while the fastener weld or silicone set. Use silicone to fill-in any gaps. Condensation and cold process lines need to be sealed and made vapor barrier tight in accordance with good mechanical practices and following standard in the industry procedures.

TECHLITE MITERED INSULATION FITTINGS:

- (1) Take plain TechLite of the appropriate size, cut into mitered segments on a band saw.
- (2) Glue segments together using mastic cement.
- (3) Follow steps 1 through 4 for preformed inserts above.

NOTE: Recommended Application Temps: Fastener Weld +20°F to +110°F
PVC Tape +32°F to +110°F
Silicone 0°F to +140°F

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TECHLITE PRODUCTS FITTINGS

TECHLITE INSERTS AND PVC COVERS

TechLite fitting insulation inserts are available in pre-formed or diaper design. The pre-formed inserts are precision routed to provide a fit within plus or minus piping tolerances. The diapers are conditioned at the factory to allow added flexibility to the TechLite. Fabricated from high temperature melamine foam, the fittings have a service temperature of -150°F to +400°F. White or color coded low smoke 20 mil, PVC fitting covers are shipped with the fitting insulation inserts. The PVC covers are UV resistant and resistant to harsh weather conditions and most chemicals.

- . User Friendly. . . No Fibers. . . Non-Hazardous
- . Environmentally Safe. . . No Carcinogens. . . CFC Free
- . Lightweight... Durable. .. Labor Saver
- . No Bands. .. No Screws. .. No Mitring
- . Low Flame. . . Low Smoke
- . Color Coded. .. Indoor and outdoor use
- . No Special Tools Needed

A BETTER AND SAFER INSULATION SYSTEM

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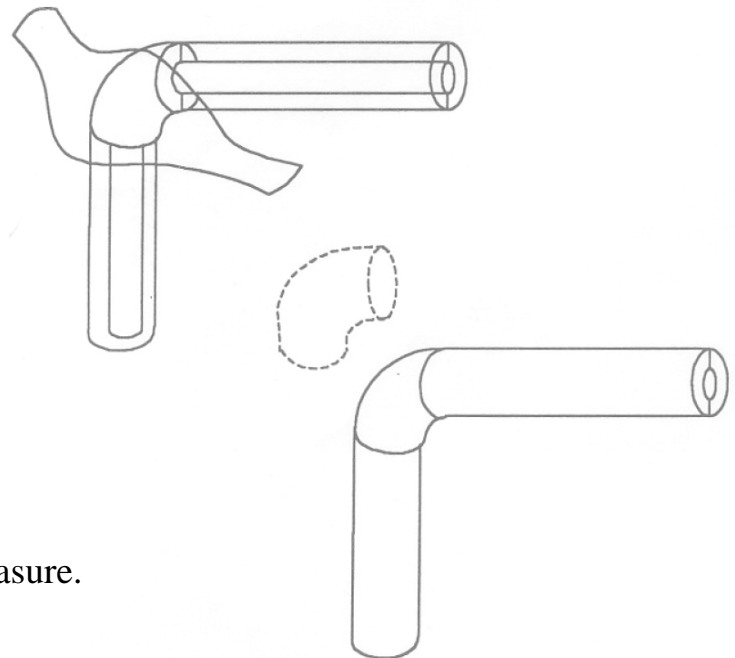
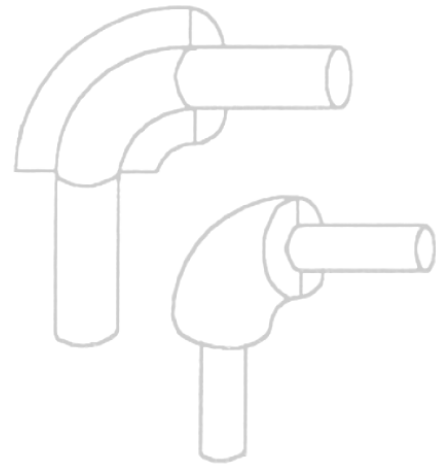
TECHLITE PRE-FORMED INSERTS AND PVC COVER

INSTALLATION INSTRUCTIONS

1. Install the two piece pre-formed insulation insert on the fitting with the longitudinal joints tightly, butted and secured with tape. For condensation and cold process lines apply a vapor barrier coating. Follow industry standards and good mechanical practices.

2. Cover with PVC Molded Jacket.
NOTE: PVC covers and pre-formed TechLite inserts are manufactured to plus or minus tolerances. It may be necessary to shave or trim to effect a more perfect fit. This can be done easily with a knife or sanding block.

3. Permanently seal with a generous bead of fastener weld or silicone at all joints. PVC tape can be used as a temporary seal while the fastener weld or silicone cures. Condensation and cold process lines need to be sealed and made vapor barrier tight in accordance with good mechanical practices and following industry standards.



ACCESSORIES REQUIRED

1. Installers Tool Kit or knife, scissors and tape measure.
2. Fastener Weld.
3. Fastener Weld Applicator Can.
4. PVC Tape.
5. Silicone Sealant

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TECHLITE MITERED INSERTS AND PVC COVERS **INSTALLATION INSTRUCTIONS**

1. From a section of plain Techlite pipe insulation miter cut into appropriate segments. Glue each segment together using mastic cement.

2. Install the mitered insulation inserts on the fitting with the longitudinal joints tightly butted and secured with tape. For condensation and cold process lines apply a vapor barrier coating. Follow industry standards and good mechanical practices.

3. Cover with PVC Molded Jacket.

NOTE: It may be necessary to shave or trim to effect a more perfect fit. This can be done easily with a knife or sanding block.

4. Permanently seal with a generous bead of fastener weld or silicone at all joints. PVC tape can be used as a temporary seal while the fastener weld or silicone cures. Condensation and cold process lines need to be sealed and made vapor barrier tight in accordance with good mechanical practice and following industry standards.

ACCESSORIES REQUIRED

1. Installers Tool Kit or knife, scissors and tape measure.
2. Fastener Weld. .
3. Mastic Cement.
4. PVC Tape.
5. Silicone Sealant

