

INSTALLATION GUIDE - FIBERGLASS DUCT BOARD 324A PREMIUM FOIL TAPE

UL LISTED TAPE

North American Insulation Manufacturers Association Fibrous Glass Residential Duct Construction Standard Third Edition, 2002
Section V Closure, 5-3 Closure - UL 181A, Part I (P) - Pressure sensitive aluminum foil tape

Surface Preparation: To obtain the best possible bond, the surface to which the tape will be applied should be clean of dust, dirt, oil, grease, and moisture. Generally, wiping the surface with a clean lint-free rag or paper towel is sufficient.

Application above 50 °F (10 °C):

Use tape a minimum width of 2 1/2" (64mm) wide for 1" (25mm) duct board. For 1 1/2" (38mm) duct board, 3" (76mm) wide tape is recommended. For 2" (51mm) duct board, 3" (76mm) wide tape is required. Position the tape along the edge of the flap in a manner that will allow for 1" (25mm) minimum overlap on adjacent surfaces. While holding the tape taut, press in place taking care to avoid wrinkles and folds. See Fig. 1

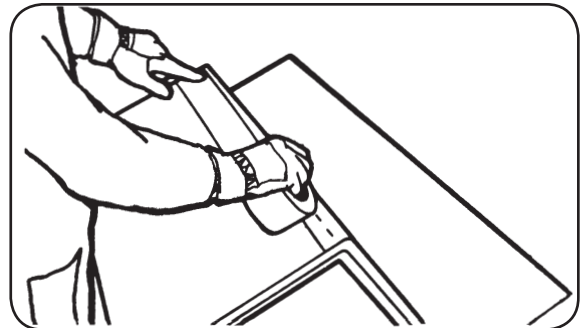


Fig 1 Applying pressure sensitive aluminum foil tape to longitudinal seam. Hold one end in place firmly and press tape in place taking care to avoid wrinkles and folds.

Rub tape firmly with a plastic sealing tool until the facing reinforcement shows through the tape. Avoid excessive pressure on the sealing tool that could cause the tape to be punctured at staple locations. See Fig.2

Connections to sheet metal:

Pressure sensitive tape may be used to seal fibrous glass ducts to sheet metal in systems operating at less than 1" w.g. (250 Pa) static pressure when the sheet metal surfaces are first carefully cleaned of any residual dirt, oil, or grease.

Application below 50 °F (10 °C):

If the temperature of either the duct board surface or the tape is less than 50°F (10°C) at time of application, heat must be applied.

Using any suitable heating iron with the plate temperature set at approximately 400 °F (200 °C), pre-heat the area to be taped. Quickly position the tape on the pre-heated area and press in place. Pass the iron two or three times over the taped area using a rapid ironing motion (see Fig. 3).



Fig 2 Rub squeegee/plastic sealing tool firmly across the tape surface removing air bubbles and folds until the the facing reinforcement shows clearly through the tape. Avoid puncturing or tearing the tape.

Complete the bond by rubbing the tape firmly with the plastic sealing tool until the facing reinforcement shows through the tape clearly.

If tape has been stored at temperatures below 50 °F (10 °C), it may be conditioned prior to use by placing it in a warm environment to improve the initial tack.

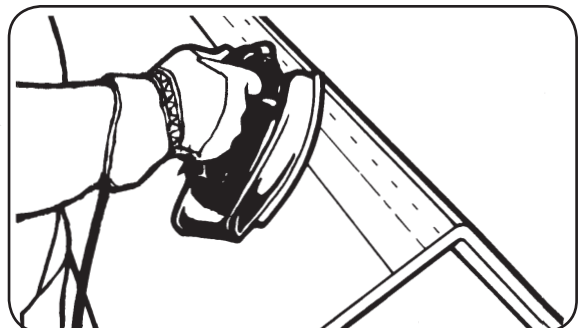


Fig 3 When applying pressure sensitive tape at temperatures below 50 °F (10 °C), use iron set at 400 °F (200 °C) to pre-heat area to be taped, then press tape in place.

The 2009, 2012, and 2015 International Energy Conservation Code (IECC) mandates the use of tapes listed and labeled in accordance with Standard UL 181A and marked "181A-P" for pressure-sensitive tape. Check with local code authorities for requirements specific to your municipality.