SECTION 07 27 00 – AIR BARRIERS

GENERAL

SUBMITTALS

Action Submittals:

Product Data: Manufacturer’s descriptive data and product attributes for air barrier.

Informational Submittals:

Certificate of Compliance: Certification that installed products meet specified fire hazard requirements.

QUALITY ASSURANCE

Installer Qualifications: Firm specializing in work of this Section with minimum [2] [\_\_] years’ experience.

Provide air barrier and foil tape from single manufacturer.

PRODUCTS

MANUFACTURERS

Contract Documents are based on products by Fi-Foil Company, [www.fi-foil.com](http://www.fi-foil.com)

Substitutions: [Refer to Division 01.] [Not permitted.]

MATERIALS

Air Barriers:

Source: SkyFlex (Solid).

Description: Two layers of aluminum deposited on layer of woven polyethylene.

Fire hazard characteristics: Flame spread/smoke developed rating of 25/50, tested to ASTM E84.

Performance characteristics:

* + - * 1. Air permeability: Less than 0.02 liters per second per square meter at 75 Pa, tested to ASTM E2178.
        2. Water vapor permeance: Less than 0.1 perms, tested to ASTM E96.
        3. Emissivity: 0.05, tested to ASTM C1371.

\*\*\*\* OR \*\*\*\*

Air Barriers:

Source: SkyFlex VT (Vapor Transmitting).

Description: vapor transmitting: CLAF fabric reinforced metalized film.

Fire hazard characteristics: Flame spread/smoke developed rating of 25/50, tested to ASTM E84.

Performance characteristics:

* + - * 1. Air permeability: Less than 0.0004 Liters per second per square meter at 75 Pa, tested to ASTM E2178.
        2. Water vapor permeance: Greater than 10 perms, tested to ASTM E96.
        3. Emissivity: 0.25 mesh side, 0.20 film side, tested to ASTM C1371.

ACCESSORIES

Aluminum Foil Tape: PE-M4535 Silver by Echo Tape or equivalent.

FSK Insulation Facing Tape: FS-7751 by Echo Tape or equivalent.

EXECUTION

INSTALLATION

Install insulation in accordance with manufacturer’s instructions.

END OF SECTION