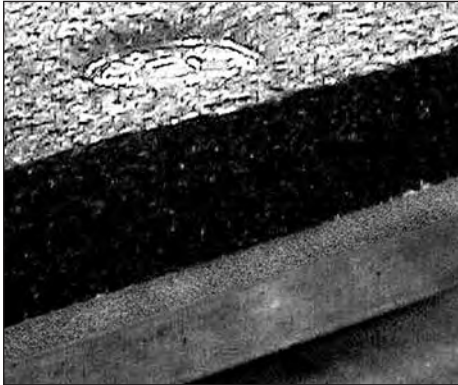


Optional Terminal Unit Liners For 'IAQ' Sensitive Applications

Nailor offers several options for terminal unit applications where the maintenance of an extremely high Indoor Air Quality is critical or a primary concern. Specific 'IAQ' liners are designed to address applications where the issue of fiberglass insulation eroding and entering the airstream is a concern and/or to reduce the risk of microbial growth.

These options are ideally suited to medical facilities including hospital operating and recovery rooms and clean room applications such as pharmaceutical and research laboratories, animal labs and food processing plants. When 'IAQ' is a major concern, Nailor 'IAQ' options can be successfully applied to regular commercial construction projects, such as schools.

Fiber-Free Liner



Fiber-Free liner

A new offering that totally eliminates fiberglass, Nailor's Fiber-Free liner is a 3/4" (19) thick, closed cell elastomeric foam. The liner has excellent insulating characteristics and provides acoustical attenuation equivalent to Steri-Liner.

The foam does not absorb water, reducing the likelihood of mold or bacterial growth.

The Fiber-Free liner surface is smooth, so that dirt and debris won't accumulate, durable, erosion resistant and washable.

Complies with the following standards and tests:

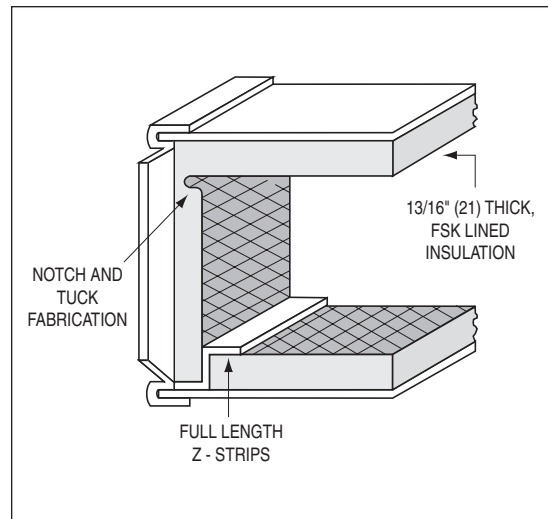
- NFPA 90A Supplementary materials for air distribution systems.
- ASTM E84 and UL 181(25/50) Smoke and Flame spread.
- ASTM C1071, G21, G22. No bacterial or fungal growth.

Steri-Liner

Steri-Liner is an internal insulation designed to reduce the risk of microbial growth within the terminal. A smooth non-porous facing provides a vapor barrier to moisture and reduces the risk of micro-organisms becoming trapped. It also facilitates cleaning and prevents insulating material erosion. Damage to the liner though, will expose fiberglass particles to the airstream.

Acoustic absorption of aluminum foil lined insulation is reduced for discharge sound levels and essentially unchanged for radiated sound levels when compared to standard fiberglass insulation.

- 13/16" (21) thick, 4 lb./sq. ft. (64 kg/m³) density rigid fiberglass with a fire resistant reinforced aluminum foil-scrim-kraft (FSK) facing.
- Meets the requirements of NFPA 90A and UL 181 for smoke and flame spread and the bacteriological requirements of ASTM C665. Will not support the growth of fungi or bacteria.
- No exposed edges. Steri-Liner features 'notch and tuck' fabrication and full seam length steel Z-strip construction providing both superior edge protection and an extremely rigid terminal.



Steri-Liner detail on dual duct terminal unit.

Solid Metal Liner

Nailor also offers a solid inner metal liner that completely isolates the standard insulation from the airstream. Solid metal liners offer the ultimate protection against exposure of fiberglass particles to the airstream, all but eliminating the possibility of punctures exposing fiberglass. This option is also resistant to moisture. The encased insulation still provides thermal resistance and radiated sound attenuation, but acoustic absorption of discharge sound is eliminated. Fabricated as a box within a box to separate all surfaces and exposed edges of the insulation.

Perforated Metal Liner

Provides additional security and retains standard dual density fiberglass insulation or optional Steri-Liner insulation reducing possibility of long term erosion or breakdown.