AKOUSTI-LINER™
Temperature Limit: 250°F (121°C)

DESCRIPTION
Akousti-Liner insulation is a flexible duct liner providing both thermal and acoustical insulation. It is manufactured from inorganic glass fibers bonded by a thermosetting binder. The airstream surface is faced with a black mat bonded to the black glass mineral wool substrate. Akousti-Liner insulation is offered with or without edge coating to seal fibers.

APPLICATION
Manson Insulation Akousti-Liner insulation is a durable, flexible liner used extensively in flat and irregular shaped ductwork.

INSTALLATION
All duct liner shall be installed in accordance with the requirement of the NAIMA Fibrous Glass Duct Liner Standard or SMACNA HVAC Duct Construction Standard and the project specification. Liner shall be adhered with adhesive (complying with ASTM C916) and mechanical fasteners.

LIMITATION
Duct liner should be kept clean and dry during shipping, storage, installation and system operation. When condensation is permitted to occur between nested liner and galvanized steel panels, discoloration of the metal may occur.

SPECIFICATION COMPLIANCE
ASTM C1071 Type I
- Standard specification for Thermal and Acoustical Insulation (Glass, Fiber, Duct Lining Material)
NFPA 90A
- Standard for the Installation of Air-Conditioning and Ventilating Systems
NFPA 90B
- Standard for the Installation of Warm Air Heating and Air-Conditioning Systems
City of New York MEA 323-83-M
California Title 24
CAN/CGSB 51.11-92

PRODUCT FEATURES
Sustainability
- Over 50% post-consumer recycled glass
- Greenguard GOLD certified for superior indoor air quality performance
- EUCEB
- No added formaldehyde

Surface Burning Characteristics
- UL/ULC Listed
- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E 84, CAN/ULC S102-M88, NFPA 255 and UL 723

Air Flow Characteristics (ASTM C1071)
- Air velocity rating 6,000 ft/min (30.5 m/s)

Water Vapor Sorption (ASTM C1104)
- Less than 3% by weight

Corrosiveness (ASTM C665)
- Will not accelerate corrosion

Bacteria Resistance (ASTM G22)
- Does not breed or promote growth

Fungi Resistance (ASTM C1338, ASTM G21)
- Airstream surface is coated with an EPA-registered anti-microbial agent; does not breed or promote growth

Hot Surface Performance (ASTM C411)
- Operating temperature limit: Max. 250°F (120°C)

DecaBDE Free
- Does not contain polybrominated diphenyl ethers (PBDE) such as: Penta – BDE, Octa – BDE or Deca – BDE
GLASS MINERAL WOOL AND MOLD
Glass mineral wool insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold, it must be discarded. If the material is wet but shows no evidence of mold, it should be dried rapidly and thoroughly. If it shows signs of facing degradation from wetting, it should be replaced. Air handling insulation used in the air stream must be discarded if exposed to water.

NOTES
The chemical and physical properties of Manson Insulation Akousti-Liner insulation represent average values determined in accordance with accepted test methods. The data is subject to normal manufacturing and testing variations. The data is supplied as a technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

Check with your Manson Insulation Area Manager to assure information is current.