

SonicLiner Specification

SonicLiner : 25mm of 24kg/m³ density

SonicLiner : 50mm of 18kg/m³ density

▪ Performance criteria:

K-value: 0.036 W/mK for 24kg/m³ (ASTM C518)

K-value: 0.038 W/mK for 18kg/m³ (ASTM C518)

Combustibility: Non-combustible (SABS 0177 Part 5)

Class 1 Fire index rating (SANS 10177 Part 3)

Flame spread Index: 20 (ESTM-84)

Smoke development Index: 10 (ESTM-84)

▪ Application Specification:

Install (15/40/50)mm non-combustible Sonic Liner as internal lining for (air-conditioning /heating/cooling) ducts with the black woven glass cloth facing the air stream. Sonic Liner shall be adhered to sheet metal with mechanical fasteners either impact driven or weld secured which shall compress the Sonic Liner sufficiently to hold it firmly in place. Air velocity up to 12.8 m/s - fasteners should not be more than 100mm from the corners of the duct, not more than 300mm centres across the width and not more than 450mm centres along the length. Air velocity from 12.8 m/s to 20m/s - fasteners should not be more than 100mm from the corners of the duct, not more than 150mm centres across the width and not more than 400mm centres along the length.

To be read in conjunction with Glasswool Handling Instructions in the installation methodology.