



Our asphalt-coated products are composed of interlocking cellulose fibres bonded together by heat, pressure and premium bitumen emulsion.

The density of this material has been specified to provide an optimum combination of board strength and insulation value.

The acoustical insulation panels of MSL are composite panels combining the high-performance of fibreboard panels to a EPS.

The SONOclimat<sup>®</sup> panels are distinguished by their strength, superior physical properties and represent an excellent choice for insulation and acoustical needs for your exterior walls.

Our continuous quality control in the manufacturing process and the judicious choice of selected raw material provide our customers a superior quality product.

## Advanced R-6 Insulation Panel

| Properties   | Standards      | Results  |
|--|----------------|--|
| Density<br>(voluminal mass) Fibreboard               | ASTM D-1037    | 16 lb / ft <sup>3</sup><br>256 kg / m <sup>3</sup>       |
| Expanded Polystyrene                                 | ASTM-3575      | 1,15 lb / ft <sup>3</sup><br>18.4 kg / m <sup>3</sup>    |
| Transverse load at rupture<br>Fibreboard             | ASTM C-209     | 17 lb<br>7.7 kg  |
| Tensile strength parallel to surface<br>Fibreboard   | ASTM C-209     | 330 lb/in <sup>2</sup><br>2275 kPa                       |
| Water absorption<br>Fibreboard                       | ASTM C-209     | 2,3%   |
| Expanded Polystyrene                                 | D570           | 0,8%   |
| Linear expansion<br>Fibreboard                       | ASTM D-1037    | 0,08%  |
| Compressive strength (10% deformation)<br>Fibreboard | ASTM C-165     | Over 48 lb/in <sup>2</sup> (min)<br>(Over 331 kPa (min)) |
| Expanded Polystyrene                                 | ASTM D-1621    | 13,86 lb/in <sup>2</sup><br>(95.5 kPa)                   |
| Water vapour permeability<br>Fibreboard              | ASTM E-96      | ≥ 18,7 perms   |
| Expanded Polystyrene                                 | ASTM E-96      | 3,12 perms   |
| Air permeability<br>Fibreboard                       | ASTM E-2178-03 | 1,058 L/(s.m <sup>2</sup> ) to 75Pa                      |
| Nail pull through resistance<br>Fibreboard           | ASTM D-1037    | 41 lbs<br>18.6 kg  |
| “R” Factor SONOclimat <sup>®</sup>                   | ASTM C-518-04  | 6,01 oF ft <sup>2</sup> hr/BTU                           |

**MSL**  
LOUISEVILLE FIBREBOARD

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For information: contact our customer service 1 800 561.4279

# SONOclimat<sup>MD</sup> R6

Technical Data sheet (continued)

## Sheating



## Advanced R-6 Insulation Panel

|            |                              |
|------------|------------------------------|
| Dimensions | 4' x 9' (1.22 m x 2.75 m) R6 |
|------------|------------------------------|

|           |                  |
|-----------|------------------|
| Épaisseur | 1 5/8" (41.3 mm) |
|-----------|------------------|

The information on this Technical Data sheet is based upon data considered to be true and accurate, based on laboratory tests and production measurements, and is offered solely for the user's consideration, investigation and verification. Nothing contained herein is representative of a warranty or guarantee for which the manufacturer can be held legally responsible. The manufacturer does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.

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