

### Product description

**AcoustiTECH™ Lead 4.5**, with an approximate thickness of 3/16 inch (4,5 mm), provides an acoustical performance of 60 FIC when double-glued with engineered wood floor on a 8 inches (20 cm) concrete slab, without suspended ceiling. This result was obtained from a well-known and certified acoustician firm. This membrane is the most appropriate for the specification in new construction or renovation of green buildings. Its excellent performances will please condos owners and property management companies.

**AcoustiTECH™ Lead 4.5** also provides thermal comfort and optimizes the performance of electric radiant heating systems and is compatible with hydronic radiant heating systems. This membrane is the most appropriate for the specification in LEED® and green buildings projects.

### Physical properties (1 roll)

<b>Length</b>	42,9 feet (13,1 m)
<b>Width</b>	42 inches (1,07 m)
<b>Thickness</b>	± 3/16" (4,5 mm ± 5%)
<b>Weight</b>	± 8,4 kg (± 18,5 lbs)
<b>Diameter</b>	± 10 inches (± 25,4 cm)
<b>Coverage</b>	150 sq.ft. (13,9 m²)
<b>Type of fiber</b>	Needle-punched recycled polyester fibers
<b>Color of the fiber</b>	Green
<b>Type of film</b>	Non-woven polyester
<b>Color of film</b>	Aluminized gray surface
<b>VOC</b>	0 g/L
<b>Chemical resistance</b>	
<b>Acids / Bases</b>	Good / Good
<b>Melting point</b>	478 °F (248 °C)
<b>Moisture</b>	Rot-resistant
<b>Toxicity</b>	Non-toxic and odorless
<b>Flammability</b>	1 (National Fire Protection Association, NFPA)

### Technical data

<b>Sound Index</b>	FIC 60, FSTC 58 (IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413)
<b>PERM (vapor barrier)</b>	Non applicable (ASTM E96)
<b>R factor</b>	0,512 (ASTM C518)
<b>R factor of the assembly</b>	1,390 ; without floor covering (ASTM C518)
<b>Robinson</b>	Non applicable (ASTM C-627)
<b>Grab tensile strenght</b>	1250 N ± 5 % (CAN-148.1 - no 7.3)
<b>Grab tensile elongation</b>	75 % à 120 % (CAN-148.1 - no 7.3)
<b>"Mullen" bursting</b>	3050 kPa ± 5 % (CAN-4.2 - no 11.1)
<b>Trapezoidal tear</b>	525 N ± 5 % (CAN-4.2 - no 12.1)
<b>Reflectivity</b>	70 %

The CCMC evaluation report, awarded by the National Research Centre of Canada, recognizes the conformity of the tests methodology made for AcoustiTECH™ membrane. On the installation site, the floor covering, the quality of materials used, the installation method and the quality of construction of the building may cause variation in the acoustical performances. Users should always refer, before the installation, to the most recent version of the product specifications that is available upon request or available by visiting our website at [www.acousti-tech.com](http://www.acousti-tech.com). As our products are constantly evolve, we keep the right to modify those informations without notice. Revision – January 1st, 2012.