

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)

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

Technical data

Sound Index	FIC 60, FSTC 58 (IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413)
PERM (vapor barrier)	Non applicable (ASTM E96)
R factor	0,512 (ASTM C518)
R factor of the assembly	1,390 ; without floor covering (ASTM C518)
Robinson	Non applicable (ASTM C-627)
Grab tensile strenght	1250 N ± 5 % (CAN-148.1 - no 7.3)
Grab tensile elongation	75 % à 120 % (CAN-148.1 - no 7.3)
"Mullen" bursting	3050 kPa ± 5 % (CAN-4.2 - no 11.1)
Trapezoidal tear	525 N ± 5 % (CAN-4.2 - no 12.1)
Reflectivity	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. As our products are constantly evolve, we keep the right to modify those informations without notice. Revision – January 1st, 2012.