

### Product description

**AcoustiTECH™ Premium** membrane, with an approximate thickness of 3/32 inch (2,4 mm), provides an acoustical performance of 61 FIC when install with a floated 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. Its excellent performances will please condo owners and property management companies.

**AcoustiTECH™ Premium** membrane also provides thermal comfort and optimizes the performance of electrical radiant heating systems and is compatible with hydronic radiant heating systems. It increases the sound quality of the room by reducing the echo caused by floating floors.

### Physical properties (1 roll)

<b>Length</b>	33,3 feet (10,2 m)
<b>Width</b>	36 inches (0,914 m)
<b>Thickness</b>	2,4 mm ± 10 %
<b>Weight</b>	± 4 kg (± 8.8 lbs)
<b>Diameter</b>	± 8 inches (± 20,3 cm)
<b>Coverage</b>	100 sq.ft. (9,3 m <sup>2</sup> )
<b>Type of fiber</b>	Needle-punched polyester fibers
<b>Color of the fiber</b>	Gray-green
<b>Type of film</b>	Laminated 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 61, FSTC 58 (IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413)
<b>PERM (vapor barrier)</b>	0,09 (ASTM E96)
<b>R factor</b>	0,439 (ASTM C518)
<b>R factor of the assembly</b>	0,439 to 0,878; without floor covering (ASTM C518)
<b>Robinson</b>	Non applicable (ASTM C-627)
<b>Grab tensile strenght</b>	700 N ± 5 % (CAN-148.1 - no 7.3)
<b>Grab tensile elongation</b>	60 % à 110 % (CAN-148.1 - no 7.3)
<b>"Mullen" bursting</b>	2250 kPa ± 5 % (CAN-4.2 - no 11.1)
<b>Trapezoidal tear</b>	275 N ± 5 % (CAN-4.2 - no 12.1)
<b>Reflectivity</b>	94 %

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.