

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)

Length	33,3 feet (10,2 m)
Width	36 inches (0,914 m)
Thickness	± 3/32" (2,4 mm ± 5%)
Weight	± 4,1 kg (± 9 lbs)
Diameter	± 8 inches (± 20,3 cm)
Coverage	100 sq.ft. (9,3 m ²)
Type of fiber	Needle-punched polyester fibers
Color of the fiber	Gray-green
Type of film	Laminated 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 61, FSTC 58 (IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413)
PERM (vapor barrier)	0,09 (ASTM E96)
R factor	0,439 (ASTM C518)
R factor of the assembly	0,439 to 0,878; without floor covering (ASTM C518)
Robinson	Non applicable (ASTM C-627)
Grab tensile strenght	700 N ± 5 % (CAN-148.1 - no 7.3)
Grab tensile elongation	60 % à 110 % (CAN-148.1 - no 7.3)
"Mullen" bursting	2250 kPa ± 5 % (CAN-4.2 - no 11.1)
Trapezoidal tear	275 N ± 5 % (CAN-4.2 - no 12.1)
Reflectivity	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. As our products are constantly evolve, we keep the right to modify those informations without notice. Revision – January 1st, 2012.