

Product description

AcoustiTECH™ LV, with an approximate thickness of 5/64 inch (2,1 mm), provides an acoustical performance of 59 FIIC when installed in a floating installation with a vinyl flooring, on a 8 inches (20 cm) concrete slab, without suspended ceiling. This result was obtained from a well-known and certified acoustician firm. This acoustical membrane is appropriate with specification for new construction or renovation. Its excellent performances will please condos owners and property management companies.

AcoustiTECH™ LV is specially designed for vinyl flooring (planks and tiles). It increases in-room comfort by creating a muffled ambiance and by absorbing noise from travelling through multi-level dwellings.

To be compatible with the AcoustiTECH LV, the vinyl flooring must have a minimum thickness of 4mm (3/16"). Only floated applications are recommended and vinyl types such as LVT, LVP, SPC & WPC are accepted as long as they incorporate a "Click" or "Lock" system. If the vinyl flooring has a 1mm integrated backing, the overall thickness of the vinyl flooring must be no less than 5mm.

Physical properties *(1 roll)*

Length	40 feet (12,2 m)
Width	45 inches (1,14 m)
Thickness	2,1 mm ± 7 %
Weight	± 3 kg (± 6,7 lbs)
Diameter	± 9 inches (± 22,9 cm)
Coverage	150 sq.ft. (13,94 m ²)
Type of fiber	Needle-punched polypropylene
Color of the fiber	Orange-Gray
Type of film	Non-woven polyethylene
VOC	0 g/L
Chemical resistance	
Acids / Bases	Good / Good
Melting point	325°F (163°C)
Moisture	Rot-resistant
Toxicity	Non-toxic and odorless
Flammability	1 (National Fire Protection Association, NFPA)

NOTE: Also available in 300 sq.ft. coverage.

Technical data

Sound Index	FIIC 59, FSTC 58 <small>(IIC: ASTM-E 1007; ASTM-E-989) (STC: ASTM-E 336; ASTM-E-413)</small>
PERM (vapor barrier)	Non applicable (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	900 N ± 5 % (CAN-148.1 - no 7.3)
Grab tensile elongation	50 % à 100 % (CAN-148.1 - no 7.3)
"Mullen" bursting	2000 kPa ± 5 % (CAN-4.2 - no 11.1)
Trapezoidal tear	300 N ± 5 % (CAN-4.2 - no 12.2)
Reflectivity	0 %

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 – July 21th, 2021.