

Product description

AcoustiTECH™ LV, with an approximate thickness of 5/64 inch (2,1 mm), provides an acoustical performance of 59 FIC 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.

* For a **double-glued down installation**, the vinyl floor used must have a minimum thickness of 1/8" (3,2 mm) and be bevelled joints.

* For a **floating installation**, the vinyl floor used must have a minimum thickness of 3/16" (4 mm) and be bevelled joints.

* **Avoid** using the AcoustiTECH™ LV membrane in a **double glued down** installation on any type of **wood substrate**.

Physical properties (1 roll)

Length	40 feet (12,2 m)
Width	45 inches (1,14 m)
Thickness	± 5/64" (2,1 mm ± 5 %)
Weight	± 3 kg (± 6,7 lbs)
Diameter	± 9 inches (± 22,9 cm)
Coverage	150 sq.ft. (13,94 m²)
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	FIC 59, 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	0,439 (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 – August 10th, 2015.