

DESCRIPTION

AcoustiTECH LV™ membrane is designed for floating vinyl floor coverings only and should never be glued down. This product, which combines lightness and thinness with performance, has a proven track record in multi-unit residential construction.



IMPORTANT LEGAL NOTICES

Limitations and Exclusions of Liability Regarding the AcoustiTECH LV™ Membrane

The AcoustiTECH LV™ membrane has been designed and is intended **solely for indoor applications**, never for outdoor use. It should **never be glued or installed with any floor coverings other than floating vinyl planks**.

It is mandatory to fully comply with all directives, specifications, indications, restrictions, limitations, and exclusions applicable to the AcoustiTECH LV™ membrane, including those contained in its "Technical Data Sheet", "Installation Guide" and other documents published by Acoustitech Inc. regarding it. Without limiting the foregoing, the specified thickness parameters must always be adhered to, as the AcoustiTECH LV™ membrane is **only compatible and can only be used and installed with a floating vinyl plank of a minimum thickness of 6.5 mm (1/4 in) equipped with a locking joint mechanism**. If there is an integrated membrane, it must not exceed 1.5 mm (1/16 in).

For further information on the legal information of this product, please refer to the annex to this document.



PERFORMANCE TABLE

Test	Suspended ceiling	Structure	Flooring type	Membrane(s) installation	Acoustic performance	Acoustic comfort
T.109.3	No	Concrete 8" (0,20 m)	Vinyl	Floating	AIIC: 63	A-HIIC: 70
T.104.5	No	Concrete 11" (0,28 m)	Vinyl	Floating	AIIC: 64	A-HIIC: 72
T.161.6	No	Steel - 4" (0,10 m) Concrete	Vinyl	Floating	AIIC: 67 ASTC: 66	A-HIIC: 78
T.105.42	Yes	Hambro D500 - 4" (0,10 m) Concrete	Vinyl	Floating	AIIC: 69	A-HIIC: 73
T.107.16	No	Hambro D500 - 3,5" (0,09 m) Concrete	Vinyl	Floating	AIIC: 56	A-HIIC: 68
T.106.8	N/A	Wood + Concrete 1,5" (0,04 m) + Insonomat®* + Acoustivibe®* + Isolation + Gypsum (2X)	Vinyl	Floating	AIIC: 68	A-HIIC: 87

*These trademarks are the property of their respective owners and are shown here only for compatibility with the AcoustiTECH LV product.

PHYSICAL PROPERTIES

Type of fibre	Non-woven polypropylene
Type of film	Needle-punched polyethylene
VOC	0 g/L
Moisture	Rot-resitant
Flammability	1 (National Fire Protection Association, NFPA)
Length	12.2 m (40 ft)
Width	1.14 m (42 in)
Thickness	2.1 mm (0 5/64 po) ± 10%
Weight	±6.7 lb (±2.7 kg)
Coverage	13,94 m ² (150 ft ²)

TECHNICAL DATA

PERM (vapor barrier) ASTM E96	N/A
R factor ASTM C518	0.439
R factor of the assembly ASTM C518	0.439 à 0.878 without floor covering
Robinson ASTM C-267	N/A
Grab tensile strength CAN-148.1 - no 7.3	900 N ±5%
Grab tensile elongation CAN-148.1 - no 7.3	50% à 100%
"Mullen" bursting CAN-4.2 - no 11.1	2000 kPa ±5%
Trapazoidal tear CAN-4.2 - no 12.1	300 N ±5%
Reflectivity	0%

COMPATIBILITY

ADHESIVE

Not compatible.
This product
must never be
glued.

FLOOR

Floating vinyl planks with a
minimum thickness of 6.5 mm
(1/4 in.) and a locking joint
system. If the floating vinyl
planks already have a
membrane, it must not exceed
1.5 mm (1/16 in.).



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The AcoustiTECH LV™ membrane is guaranteed under the terms, conditions, restrictions, limitations, and exclusions provided in the "**Limited Warranty - AcoustiTECH LV™ Membrane**".

Acoustitech Inc. assumes no responsibility nor guarantees the adaptability, compatibility, or any performance of the AcoustiTECH LV™ membrane in combination with any specific floating vinyl floor covering. It is therefore the sole responsibility of the buyer, as well as their contractors, installers, and other professionals selecting the AcoustiTECH LV™ membrane for a particular project, **to obtain written confirmation and warranty from the manufacturer of the concerned floating vinyl floor covering that their floor covering will be suitable, compatible, and perform well when installed in combination with the AcoustiTECH LV™ membrane for the intended project.** It is thus the responsibility of the floating vinyl floor covering manufacturer, not Acoustitech Inc., to perform all appropriate tests to issue this confirmation and warranty.

Without limiting the foregoing, Acoustitech Inc. cannot be held responsible in any way and to any party for any direct, indirect, incidental, consequential, special, punitive, or other losses, damages, expenses, or costs related to or arising from any incompatible, inadequate, or otherwise deficient use or installation of the AcoustiTECH LV™ membrane, including but not limited to any use or installation not fully complying with the "**Technical Data Sheet**", "**Installation Guide**" and other documents published by Acoustitech Inc. regarding it.