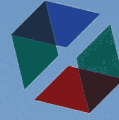




It's not magic, it's engineering.®



National
Construction
Code

ACOUSTIC UNDERLAY

GENIEMAT® FFNP

SIMPLE GUIDE FOR WET & DRY APPLICATIONS

GenieMat® FFNP OVERVIEW

A simplified guide to the most commonly adopted floor assemblies matched with our acoustic underlayment system.



The NCC's **Part F5.4 Sound transmission and insulation** stipulates class 2 & 3 buildings must have an impact sound insulation rating of not more than $L_{n,w} 62$.

* $L_{n,w}$ is a measurement of a flooring system's effectiveness at preventing impact noise from transmitting. The lower the rating, the higher the impact sound reduction performance of the system.

The AAC Star Rating ranks the acoustical quality of apartments and will promote better standards of acoustical quality in dwellings

IMPACT ISOLATION OF FLOORS	2 STAR	3 STAR	4 STAR	5 STAR	6 STAR
Between Tenancies $L_{nT,w} \leq$	65	55	50	45	40
Between All other Spaces & Tenancies $L_{nT,w} \leq$	65	55	50	45	40



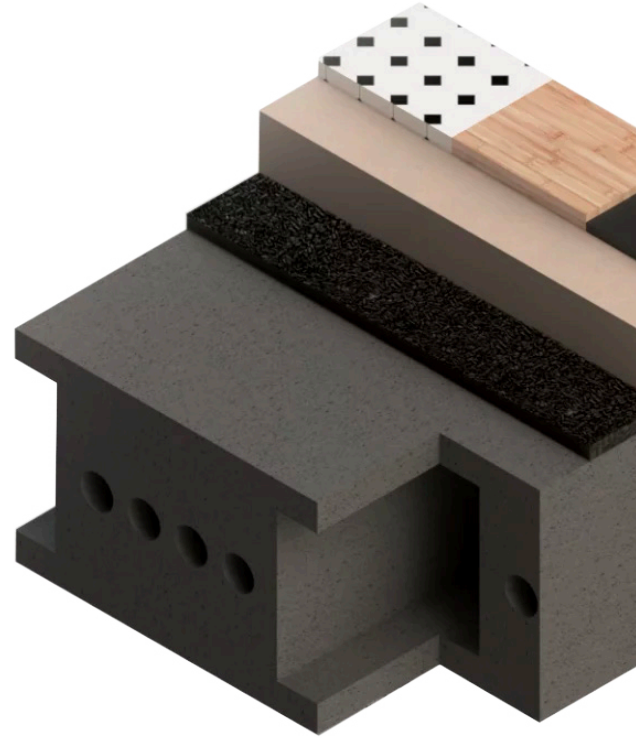
GenieMat® FFNP

Sound Control Underlayment

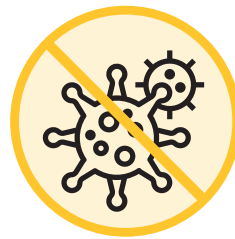
INNOVATIVE AND RELIABLE SOUND ISOLATION

Robust reduced sound transmission mat made from 94% recycled content. Designed to reduce the transmission of impact sound generated by footfall noise for various types of structures for both residential and commercial use.

Compatible to use directly under various floor finishes such as vinyl, tiles, and wood or to use directly under screed or gypsum concrete in concrete, steel and wood construction.



**Floor Score
Certified**



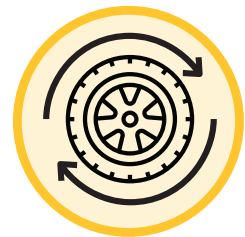
**Mold, Bacteria &
Fungi Resistant**



**Made in
Canada**



**Meets
Requirements for
VOC**



**Over 92%
Recycled Content**

Wood Flooring

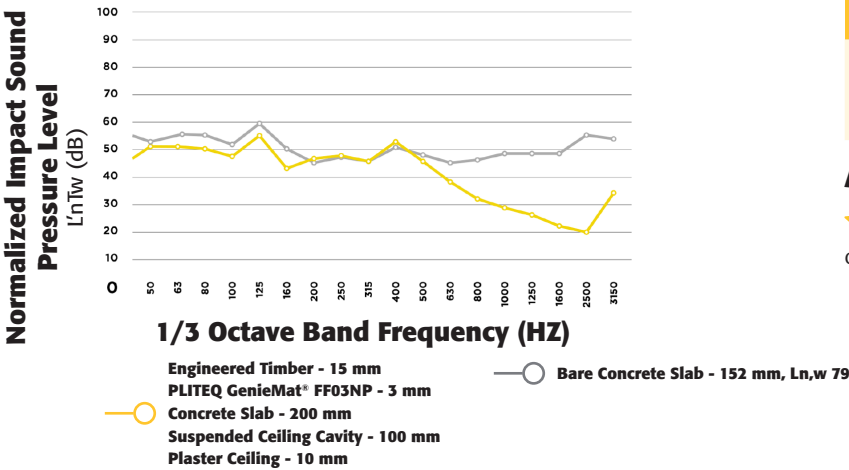
Dry Areas - Soundproofing Timber Floors

NORMALIZED IMPACT SOUND PRESSURE LEVELS

GenieMat® FF03NP

Tested in accordance with ISO 16283-2:2020, AS ISO 717.2-2004.

*Results may slightly vary if different floors are installed and/or bonded



Layer of 15 mm engineered timber, to GenieMat® FF03NP, to 200 mm thick concrete slab with 100 mm suspended ceiling cavity, and 10 mm plasterboard ceiling.

L'nTw 44 dB

FIIC 66

Complies with NCC Part F5.4

+18

AAAC Rating:



Other tests available upon request



Wood Flooring

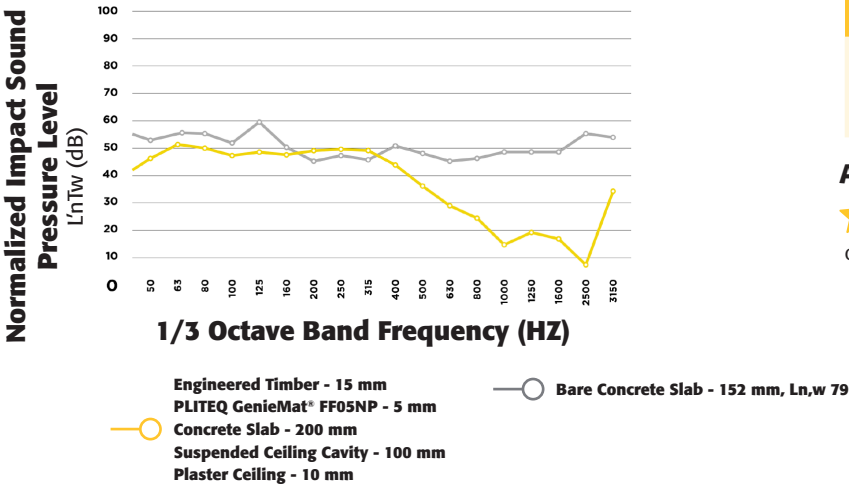
Dry Areas - Soundproofing Timber Floors

NORMALIZED IMPACT SOUND PRESSURE LEVELS

GenieMat® FF05NP

Tested in accordance with ISO 16283-2:2020, AS ISO 717.2-2004.

*Results may slightly vary if different floors are installed and/or bonded



Layer of 15 mm engineered timber, to GenieMat® FF05NP, to 200 mm thick concrete slab with 100 mm suspended ceiling cavity, and 10 mm plasterboard ceiling.

L'nTw 43 dB

FIIC 66

Complies with NCC Part F5.4

AAAC Rating:



Other tests available upon request

+19



Vinyl Floors

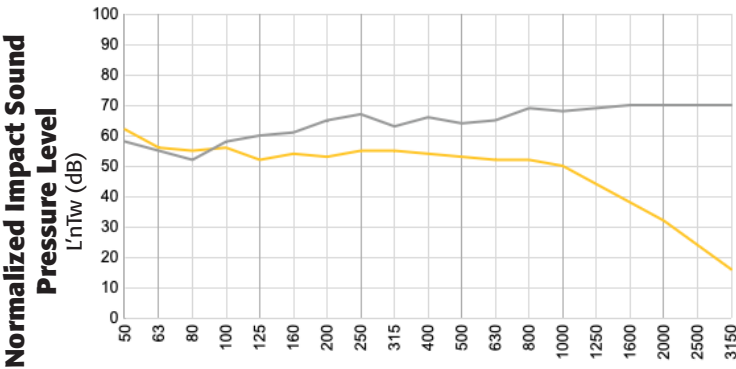
Dry Areas - Soundproofing Timber Floors

NORMALIZED IMPACT SOUND PRESSURE LEVELS

GenieMat® FF03NP

Tested in accordance with ISO 140-8, ISO 140-6, ISO 717-2, ASTM E 492-09, ASTM E 2179-03.

*Results may slightly vary if different floors are installed and/or bonded



Luxury Vinyl/Tile Plank - 4 mm

PLITEQ GenieMat® FF03NP - 3 mm

Concrete Slab - 150 mm suspended ceiling cavity with fiberglass insulation and plasterboard ceiling

Concrete Slab - 203 mm L,nw 76

Layer of 4 mm LVT flooring, to GenieMat FF03NP, to 150 mm thick concrete slab with 150 mm suspended ceiling cavity, 89 mm fiberglass insulation and 15.9 mm plasterboard ceiling

L'nTw 50 dB

IIC 60

Complies with NCC Part F5.4

AAAC Rating:



+12





AROUND THE WORLD.

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