



LUXCUSHION™

More Than Comfort

It's proven that sound can greatly affect people's sustained attention and productivity in a given space. To address this issue, using carpet is one of the most common solutions in reducing unwanted noise. As an innovative backing system, LuxCushion™ offers a superior performance to acoustic comfort.

Impact sound insulation and sound absorption are two reliable indicators to evaluate the acoustic performance of floor coverings

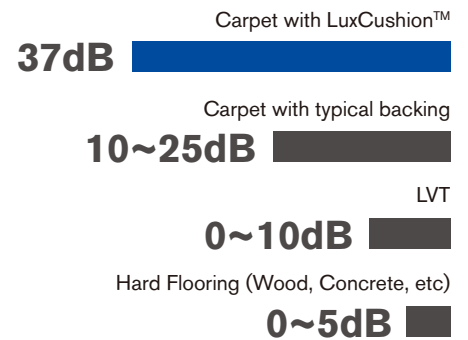
TUNTEX™

Impact Sound Insulation ΔL_w ^②



Impact sound insulation refers to the ability to prevent the transmission of impact noise, such as footsteps, dragging furniture and falling objects between floors or rooms.

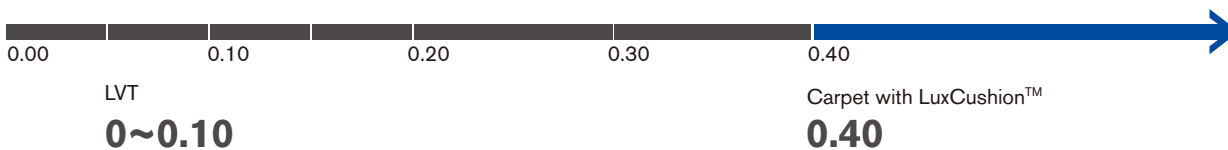
LuxCushion™ tests a reduction of transmitted impact noise by **37dB**^① according to ISO 10140, which is **5 times** better than LVT, and an **increase of 50%** compared to standard backing.



Note: Impact sound insulation of other flooring coverings is a reference value and will vary depending on products.

Sound Absorption α_w ^④

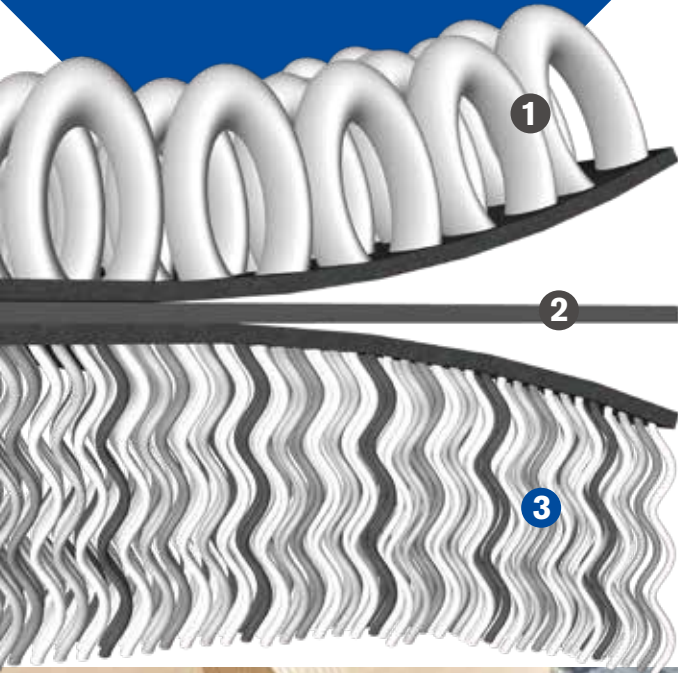
Sound absorption indicates the capacity to absorb sound energy in the air. Absorption can lessen other unpleasant background noise within the room, for example echo. According to EN ISO 354, **LuxCushion™** tests an impressive sound absorption coefficient of **0.40**^③.



Note: sound absorption of other flooring coverings is a reference value and will vary depending on products

① The data is the laboratory test result, and it is subject to different according to the change of experimental environment
 ② Impact sound insulation refers to ΔL_w and measures in decibels (dB)
 ③ The data is the laboratory test result, and it is subject to different according to the change of experimental environment
 ④ Sound absorption refers to α_w and use a weighted sound absorption coefficient from 0 to 1 to measure performance

Unique Patented Technology



LuxCushion™ is definitely an ideal solution for acoustic comfort. For the carpet with **LuxCushion™** backing, its top and bottom are entirely made of nylon. This unique patented technology contributes to its excellent sound insulation value and absorption properties.



1

nexlon™ – premium solution dyed nylon

2

Reinforced fiber glass

3

Repurposed high resilience nylon



Better and quieter soundscape plays a vital role in providing acoustic comfort and overall indoor comfort experience. It is aligned with a need for building a successful working, learning, or living environment and what **LuxCushion™** can bring to space is more than comfort.

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