

The Acoustic Benefits of FlexForm Sound™ LVT

Milliken™



WELL-BEING AND ACOUSTICS

Unwanted noise in the workplace is a significant contributor to stress, fatigue, illness and absenteeism.

Sound is one of the 10 Concepts in the WELL Building Standard (WELL v2). A study by Cornell University* indicated that workers in open-office environments exhibited increased levels of stress hormones, which made it more likely for them to become less motivated and less creative. In fact, data shows that productivity can go down by as much as 66%**.

The right floor covering choice, for the appropriate area can create an environment where sound levels are more comfortable, boost concentration, memory and focus and increase morale and productivity.



Loose Lay FlexForm Sound™ LVT
FIRST CALL / On-Point ONP145 Noble

* Evans, G.W. & Johnson, D. (2000). Stress and open-office noise. *Journal of Psychology*, 85 (5), 779-783

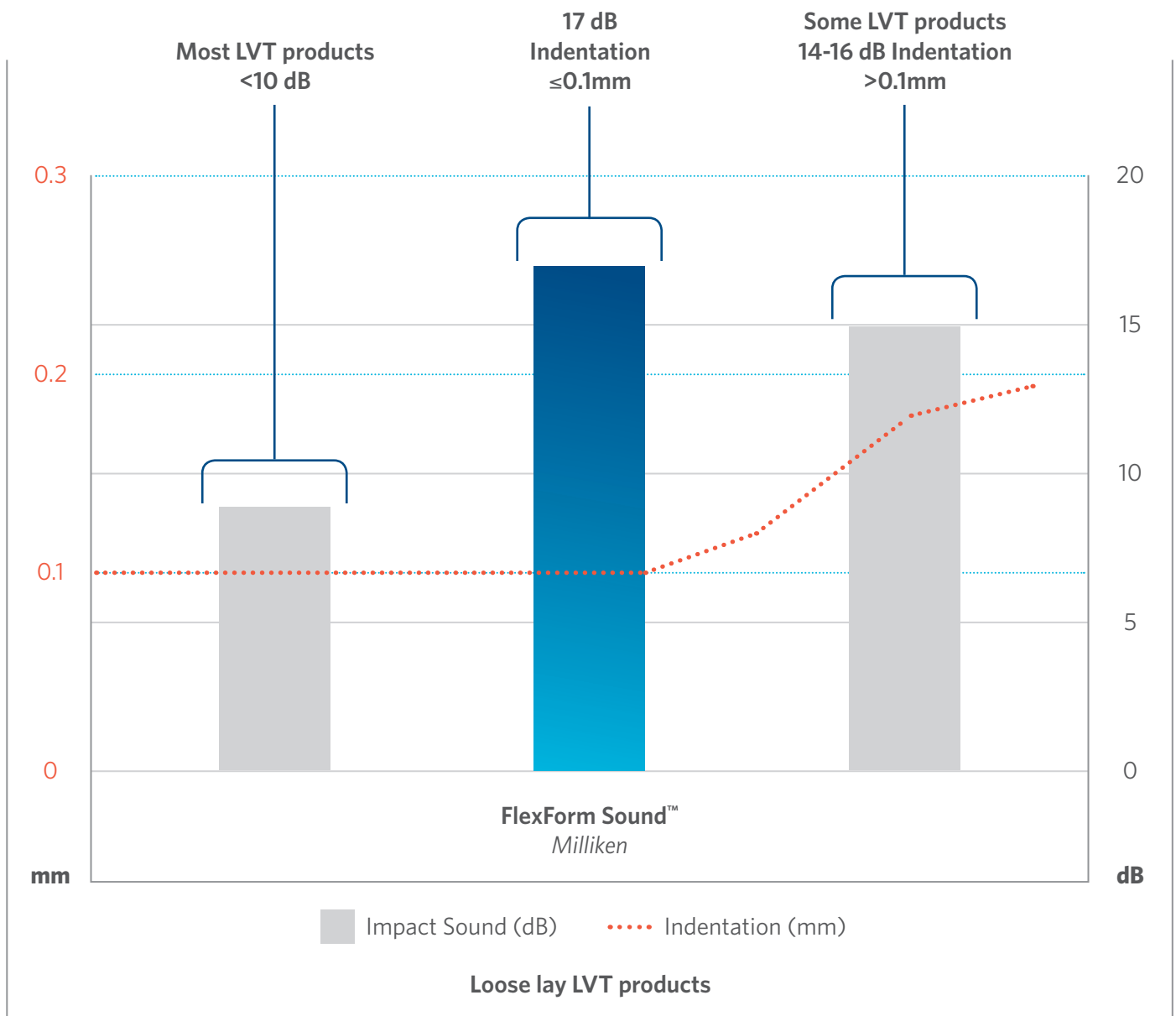
** The 4 ways sound affects us, Julian Treasure, Talk at TEDGlobal 2009, July 2009

THE ACOUSTIC BENEFITS OF FLEXFORM SOUND™ LVT

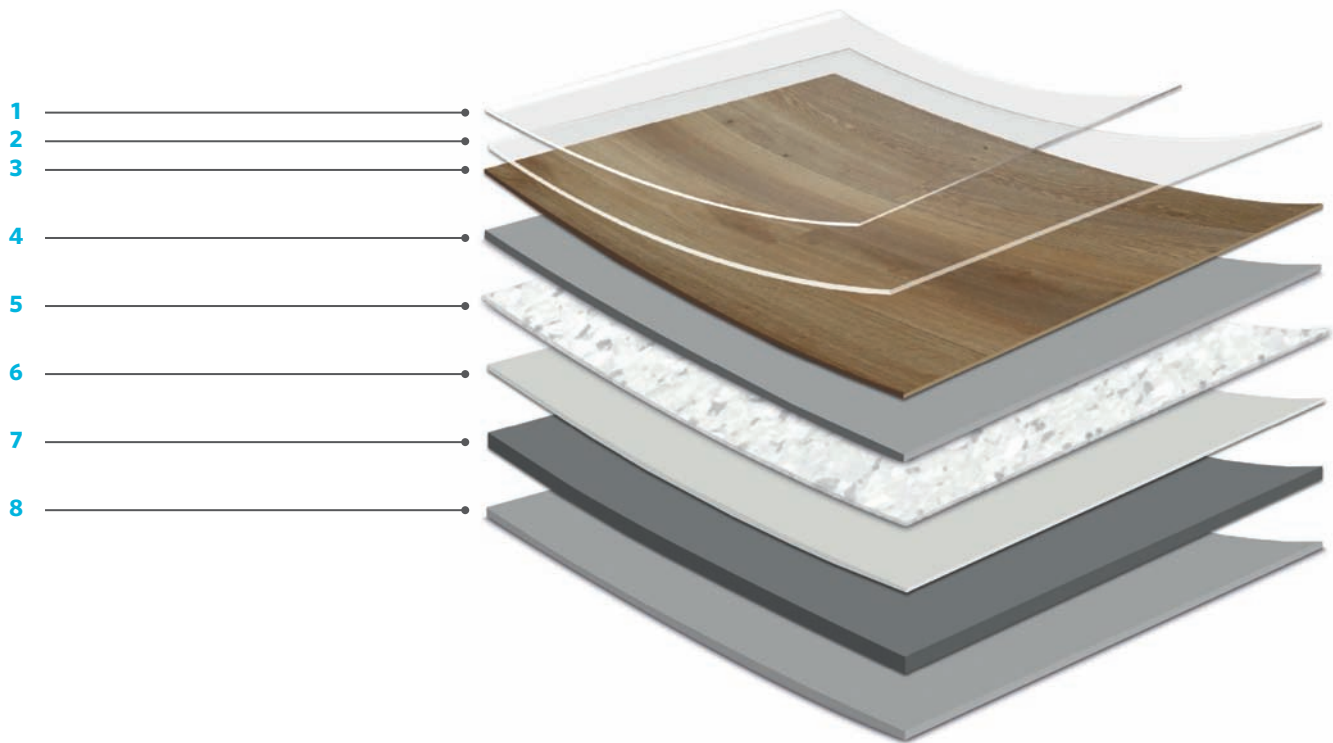
For improved acoustic performance our FlexForm Sound™ construction (as featured in our First Call and Change Agent LVT collections) incorporates a compact cushion layer to reduce impact sound. This innovative layer can **reduce impact sound by up to 17 dB** (this compares to as little as 2 dB for Standard Glue Down LVTs and typically 4-9 dB for Loose Lay LVTs without cushion layer).

FlexForm Sound™ LVT provides an improved impact acoustic sound performance (≥17 dB) while not sacrificing its indentation performance (<0.1mm).

Minimising indentation is another key consideration for maintaining the long term appearance of your flooring installation, as furniture may be reconfigured multiple times, with changing office needs.



LOOSE LAY FLEXFORM SOUND™ FORMAT

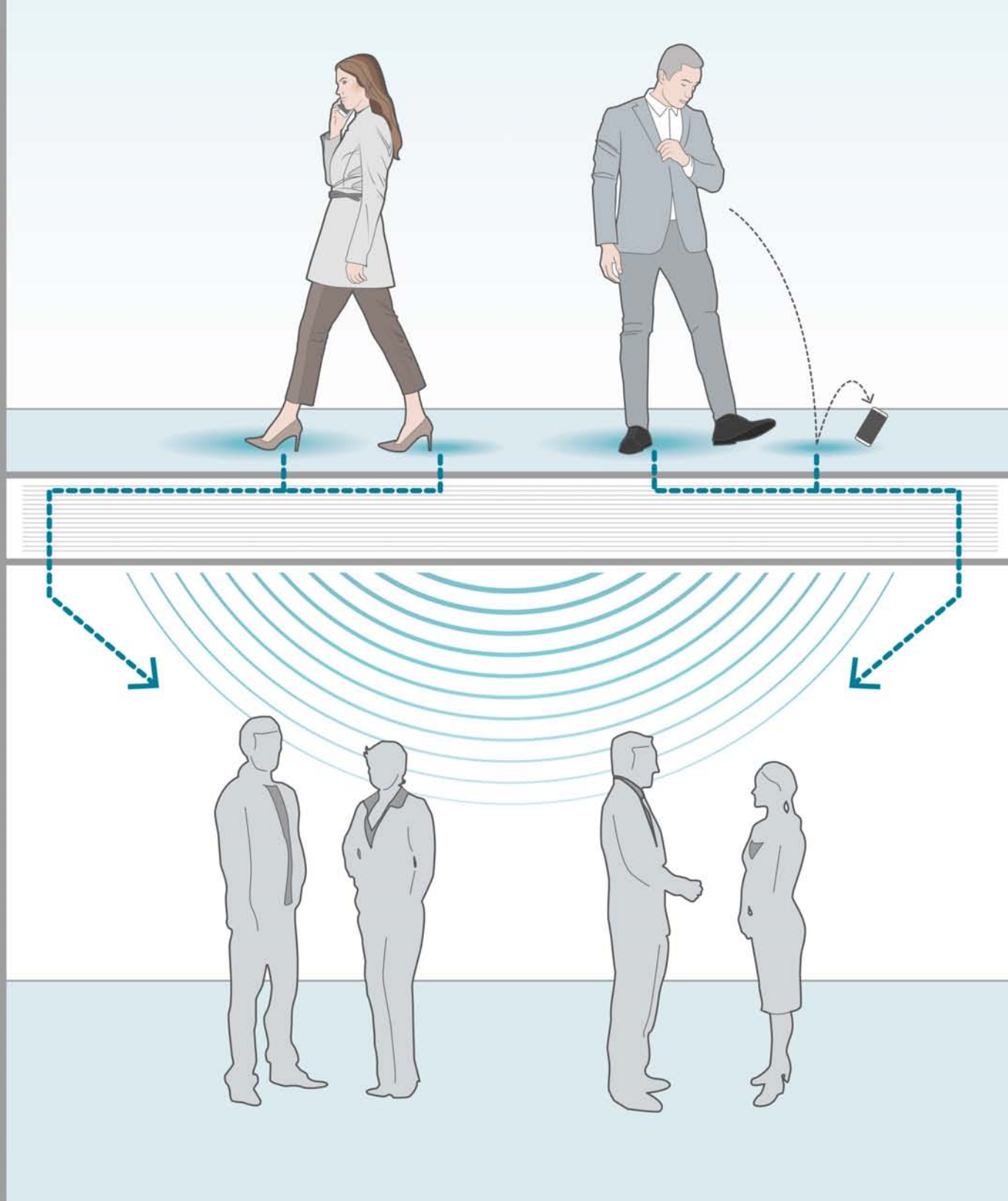


- 1 ProGuard MAX™ - Urethane Coating**
Provides excellent stain and abrasion resistance, eliminates the need for wax, polishes and harsh chemicals—reduced maintenance costs and improved IAQ.
- 2 Transparent wear layer**
0.55mm **embossed**, hard-wearing layer, provides long lasting appearance retention in heavy commercial traffic environments. Embossed for authentic appearance and increased levels of slip performance.
- 3 Printed layer**
This layer utilises high definition print film for stunning, eye-perfect, authentic visuals.
- 4 Core layer**
High performance, non rigid layer, that provides extra stability and durability.
- 5 FlexForm Sound™ Compact Cushion Layer**
Provides enhanced acoustic properties, reducing impact sound by 17 dB.
Located centrally for maximum protection, indentation resistance and dimensional stability.
- 6 Glass fibre layer**
Minimises expansion and contraction under extreme temperatures.
- 7 Backing layer**
High vinyl content backing layer provides robust foundation and impact resistance.
- 8 Non-skid backing**
Allows adhesive free installation and replacement.**

* The diagram relates to Milliken's Change Agent and First Call LVT collections.

** See installation guide for full recommendations.

In a workplace with multiple floors, installing a floor covering that reduces impact sound, can dramatically reduce the intensity of sound on the floor below from both impact noise (eg walking) and background noise (eg telephones, conversations or office equipment.)





FIRST CALL / Open-Shut

To transform, enhance and increase the well-being and acoustic performance in your space, view our entire FlexForm Sound™ LVT collection [here](#)



CHANGE AGENT / Earth Science



CHANGE AGENT / Earth Science

CUSTOMER SERVICE

SERVICE CLIENT / KUNDENSERVICE-
CENTER / SERVICIO AL CLIENTE

UK

T. +44 (0)1942 612 777
E. carpetenquiries@milliken.com

FRANCE

T. 08 05 54 27 77
E. demandesmoquettes@milliken.com

DEUTSCHLAND

T. 0800 7243794
E. verkauf@milliken.com

ESPAÑA

T. +44 (0)1942 612 777
E. informaciondemoqueta@milliken.com

SHOWROOMS**LONDON**

T. +44 (0)20 7336 7290

5 Berry Street,
Clerkenwell,
London EC1V 0AA

PARIS

T. +33 (0)1 40 98 06 99

40 Rue Des Mathurins,
75008 Paris

EUROPEAN HEAD OFFICE

SIÈGE EUROP ÉEN / EUROPA ZENTRALE /
SEDE CORPORATIVA EUROPA

T. +44 (0)1942 826 073

Beech Hill Plant,
Gidlow Lane,
Wigan WN6 8RN

Cover Image

leonid980. iStock by Getty

www.millikenfloors.com

Milliken™