

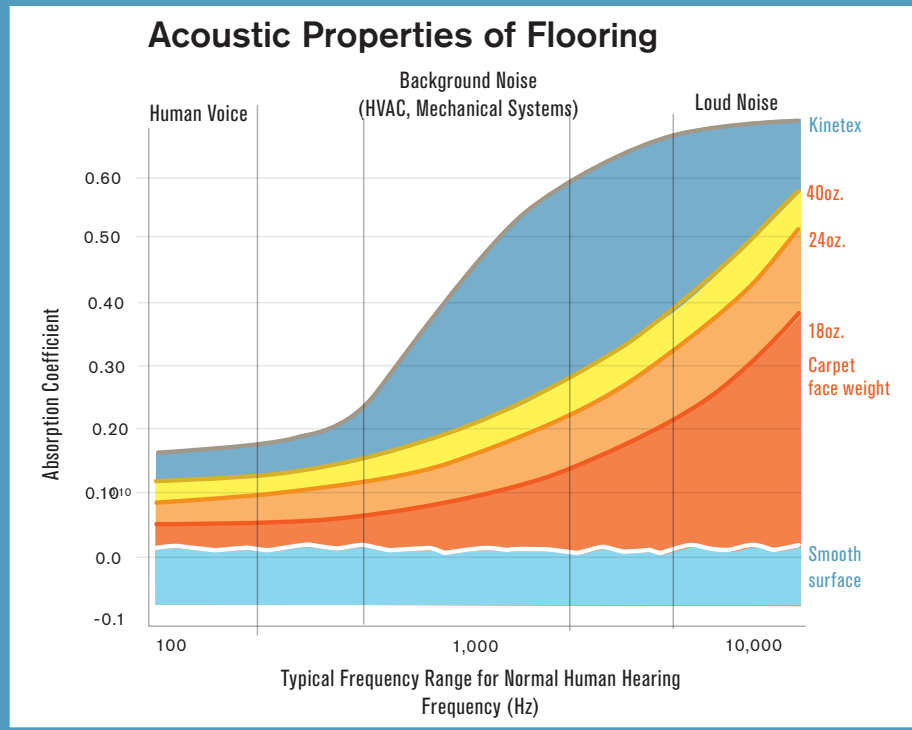
## Acoustical Performance



Kinetex's *Noise Reduction Coefficient (NRC)* and *Impact Insulation Classification (IIC)* ratings are among the highest of any commercial flooring product. This unparalleled acoustic performance results in dramatic reductions in both airborne and structure-borne noise. Its excellent *IIC* rating and *NRC* effectively promotes greater voice recognition, fewer mistakes, less vocal strain, enhanced learning and improved occupant perception.

## Airborne Noise Reduction

The airborne noise reduction test measures a surface's ability to absorb airborne sounds that contribute to ambient noise. The typical frequency range for normal human hearing is 100-10,000 Hz. A floor covering's measure of effectiveness in absorbing airborne sound is expressed as the *NRC*. The greater the absorption, the higher the *NRC* number. A surface that completely eliminates sound has an *NRC* of 1.0.



## Structure-Borne Noise Reduction

The structure-borne noise reduction test studies a surface's ability to absorb impact noises, reducing surface noise generation and impact sound transmission into the space below. Footsteps and objects dropping on the floor are examples of impact noises. The measure is expressed as a whole number - *IIC*. The higher the numerical rating, the greater the sound insulation.

## Noise can impact student performance.

A quieter learning atmosphere means fewer distractions and better listening. Evidence shows that students in classrooms with soft surface flooring have higher levels of academic achievement, behavior, attention and concentration than those in classrooms without carpet.

Tomasi, D. "Evidence-Based Design in Schools: Classroom Design and Academic Achievement."

**90%** of College/University Facility Managers note that noise is a problem in the buildings and spaces that they manage with classrooms, administrative areas and dining halls having the highest noise concerns.

APPA Drive-In Workshop Poll, April 2014

# Noise can impact patient care.

On average, the HCAHPS\* results indicate the most common complaint of patients is noise.

\*The HCAHPS survey asks recently discharged patients about their hospital experience. Results are posted online at [www.hospitalcompare.hhs.gov](http://www.hospitalcompare.hhs.gov).

DAVENNY, B. "DESIGNING QUIET PATIENT ROOMS FOR MEDICARE REIMBURSEMENT, PATIENT SATISFACTION."



Style: Velocity and Accelerate

## kinetex®

Textile Composite Flooring

*Kinetex® is an advanced textile composite flooring that combines key attributes of soft-surface floor covering with the long-wearing performance characteristics of hard-surface flooring. Kinetex encompasses an unprecedented range of performance attributes for corporate, retail, healthcare, educational and institutional environments.*

J+J FLOORING GROUP [jj-kinetex.com](http://jj-kinetex.com)



For more information, see the *How Flooring Affects Acoustic Performance* technical paper found at [jj-kinetex.com](http://jj-kinetex.com)



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Textile Composite Flooring

*Unparalleled Acoustic Solutions*