

# TODAY'S CHANGING SPACES

To address post-pandemic needs, all types of spaces in all types of buildings are being reconsidered. In some, floor plans are changing. We're de-densifying. Adding more hard surfaces to allow cleanability. Considering new wall dividers to help create zones and distance occupants. Flexibility is key.



**NOISE** More noise is coming as a result of new layouts with dividers and flexible walls not built to decks, as well as from more non-porous, cleanable surfaces. Finding ways to add noise control – both sound absorption and sound blocking – will be needed with these changes. Studies show that noise impedes effectiveness, healing, and learning and raises stress levels no matter what the setting.



**CONFIDENTIALITY** Sound blocking is especially important for privacy when walls are not built to deck. High sound blocking ceiling performance, paired with good MEP design, and wall sound transmission class can result in confidential speech privacy, even without building walls to deck. Sounds from plenum MEP as well as adjacent spaces are reduced with effective Ceiling Attenuation Class (CAC) performance.



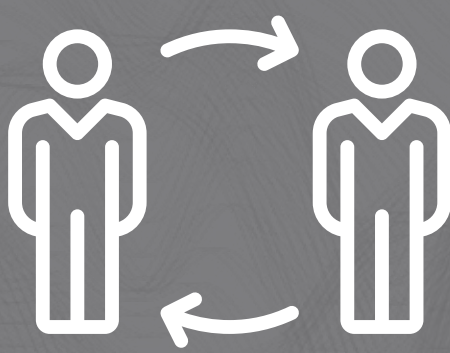
**HEALTHY SPACES** Ceilings can contribute to the well-being of building occupants meeting standards such as WELL™ and LEED®. Many Total Acoustics® ceilings are part of the Sustain® portfolio, meeting the industry's most stringent sustainability compliance standards, and are cleanable, acoustical, and allow today's open spaces to be reconfigured to closed plan spaces without detriment to performance. Many Health Zone™ ceiling panels offer Total Acoustics and are water-repellent, washable, scrubbable, and exceed FGI guidelines for acoustics and cleanability in general healthcare spaces.



**SOUND DESIGN** The ceiling plane is one of the single largest surfaces for integration of absorptive materials to offset the noise created by additional hard surfaces or layout changes. Ceilings that can absorb and block sound will be able to do acoustical "heavy lifting" compared to other surfaces.



**REDUCE NOISE AND KEEP IT FROM TRAVELING INTO ADJACENT SPACES**



**CREATE FLEXIBLE SPACES THAT ACCOMMODATE CHANGE**



**ENSURE SPEECH PRIVACY THAT MEETS INDUSTRY STANDARDS**

How do you design acoustics in changing spaces – for tomorrow and for the future? Select a ceiling that provides the ideal combination of sound absorption (NRC) and sound blocking (CAC). Sound absorption reduces noise while sound blocking keeps it from traveling into adjacent spaces. Combined together, they help create solutions for many types of spaces – in open or closed plan areas, areas divided with partitions, with walls built to deck or not, whether you're seeking quieter spaces or certain levels of privacy/confidentiality.

Total Acoustics® ceiling solutions can meet requirements in newly changing building landscapes. Let us know how we can help:



**TOTAL ACOUSTICS®**



**1:1 CONSULTATIONS** with our reps or TechLine team. They create custom acoustical reports for your space to get to the right solutions to meet your project needs



**ONLINE TOOLS** A Ceiling For Every Space® online tool lets you quickly click through specific product recommendations for your space



**MOBILE APPS** The Sound Level Meter allows you to record, measure, and improve the acoustics in existing spaces

Ceilings without CAC do not meet certain standards, especially in classrooms, offices, and healthcare facilities. Total Acoustics® ceilings that offer a combination of NRC and CAC help meet industry standards for different types of spaces, including ANSI Standard S12.60 for education and FGI Guidelines for healthcare. They also support ASTM Standards for sound absorption, ceiling sound blocking, wall sound blocking, and sound isolation, as well as other health and wellness standards such as WELL™, FitWel®, and LEED®.

**C423**  
NOISE REDUCTION COEFFICIENT  
**NRC**

**E1414**  
CEILING ATTENUATION CLASS  
**CAC**

**E90**  
SOUND TRANSMISSION CLASS  
**STC**

**E336**  
NOISE ISOLATION CLASS  
**NIC**

Our acoustics laboratory is NVLAP certified, administered through the National Institute of Standards and Technology (NIST), part of the U.S. Department of Commerce, and provides an unbiased third-party evaluation of performance. UL Classification labels verify the performance of our products.

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