

# PRIVASSURE™ CEILING SOLUTIONS

## Growing Needs for Confidentiality

The need to keep personal and business information private from people in adjacent spaces is more important now than ever before. Hospitals, doctor's offices, and spaces where human resource, financial, or legal discussions take place are just a few of the environments where sensitivity around privacy is heightened. Calla® PrivAssure™ panels now offer CAC 45 and 50 options to match partial-height walls that have high STC values.

### Key Benefits

- PrivAssure options provide design flexibility and enhance time and labor savings
- When paired with wall STC values of equal performance, optimized performance in the space is achieved
- CAC sound blocking performance contributes to the WELL Building Standard™, FGI Guidelines for Healthcare, LEED®, and HIPAA requirements for optimized sound isolation

### Ceiling Attenuation Class (CAC)

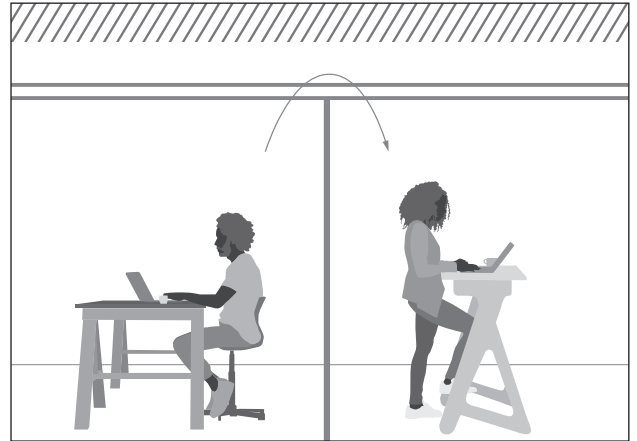
CAC is a measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces such as offices.

- A CAC greater than 35 should be the minimum closed plan option – the higher the CAC, the better the sound isolation and speech privacy performance
- The ceiling CAC should match the wall STC, especially in partial height wall construction

### Balanced Acoustical Design

You can block noise with an effective combination of wall and ceiling construction, using a high performance CAC ceiling. Other considerations affecting the ability to effectively block sound:

- Door and window seals
- Wall system joints
- Penetration in light fixtures
- Wall/floor interface
- Air returns



CAC is measured according to ASTM E1414

### Noise Isolation Class (NIC)

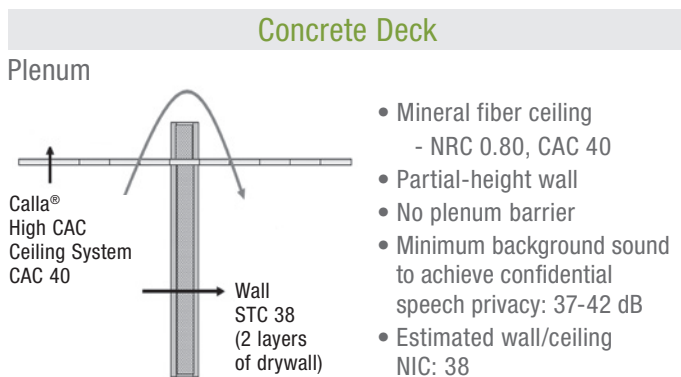
- Noise Isolation Class is a field measured performance of speech privacy that indicates how much sound is blocked between adjacent closed spaces
- NIC considers all acoustical aspects:
  - Ceiling CAC/NRC
  - Wall STC
  - Furniture STC/NRC
  - Flooring
  - Flanking (through doors, penetrations, etc)
- NIC is used in ASHRAE, LEED version 4.1, and WELL standards. NIC targets are being proposed in the latest version of FGI Guidelines

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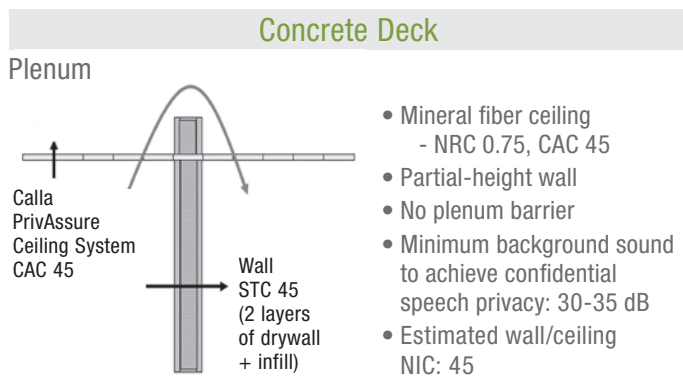
## Balanced Wall (STC) and Ceiling (CAC) Construction for Enhanced Speech Privacy

Ceilings with PrivAssure™ Panels offer proper balanced construction between adjacent spaces.

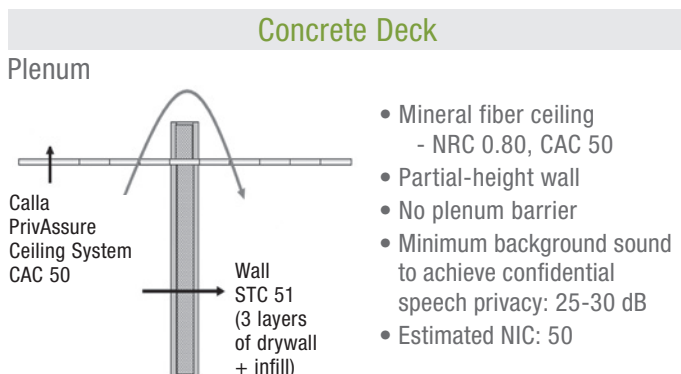
### Design 1: Typical STC 38 Interior Wall



### Design 2: Typical STC 45 Interior Wall



### Design 3: Typical STC 51 Interior Wall



### Match your CAC to your STC

STC of WALL	CAC of CEILING	Performance
38 STC	35-40 CAC	Total Acoustics®
45 STC	45 CAC	Total Acoustics + PrivAssure
51 STC	50 CAC	Total Acoustics + PrivAssure

PARTNER COMPANIES For more information on our partner companies, please visit [armstrongceilings.com/partners](http://armstrongceilings.com/partners)



Compatible with PrivAssure Ceiling panels to enhance Speech Privacy. The Price® Return Air Canopy (RAC) reduces noise within the return air plenum from flanking through return grilles or open vents into the occupied space below. LogiSon® Sound Masking solutions help to ensure the required comfortable and effective background sound levels

[armstrongceilings.com/privassure](http://armstrongceilings.com/privassure)

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