



## Space Assurance™ Acoustical Assurance

Space Assurance™ is a ceiling perimeter isolation that is made up of a flexible, flame-resistant polyester fabric. It is used as a fastener line, virtually ensuring the proper detail between the wall and ceiling, and eliminating one of the most common paths for noise flanking in multi-family construction.

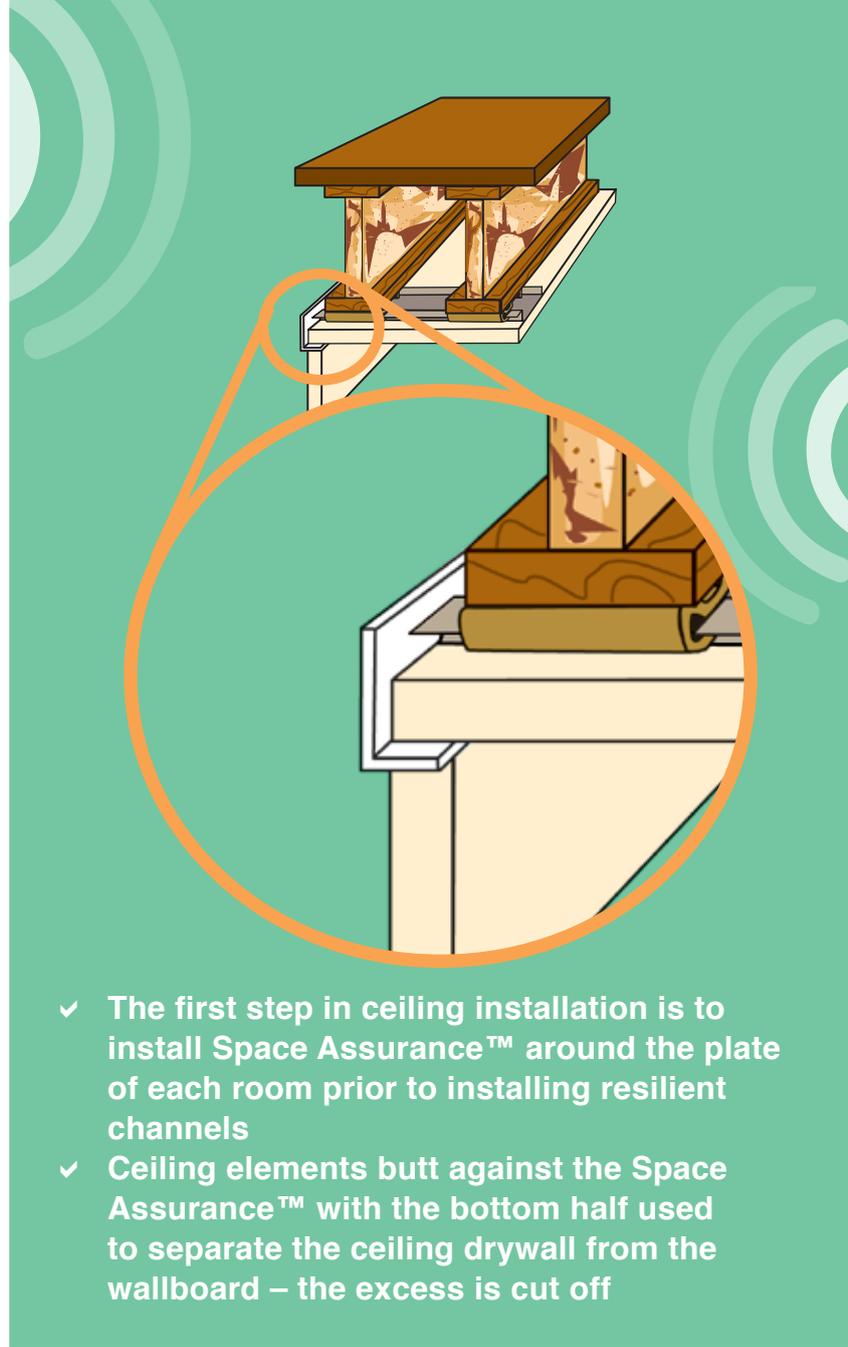
Flanking noise is often caused by improper detailing of the gypsum wall and ceiling. The proper detail is to leave a 0.125" space and then caulk the joint. This installation detail is difficult to install and difficult to ensure.

### Benefits

- ✓ Pro-active creates space between gypsum ceiling and walls
- ✓ Eliminates caulking and shimming
- ✓ Simple to inspect for proper spacing
- ✓ Eliminates flanking paths for noise
- ✓ Quick installation that saves time and money
- ✓ Only UL-listed joint assembly with a gap



*Space Assurance™ is 0.25 inches thick (6-mm) and weighs 2.1 lbs. (1 roll = 100 ft.)*



- ✓ The first step in ceiling installation is to install Space Assurance™ around the plate of each room prior to installing resilient channels
- ✓ Ceiling elements butt against the Space Assurance™ with the bottom half used to separate the ceiling drywall from the wallboard – the excess is cut off



## Installation Instructions for Space Assurance™



1. Space Assurance™ is a flame retardant fabric that is fastened to the wall structure to space the proper dimension around the ceiling.
2. It is specifically designed for use with gypsum wall board in multi-family construction.
3. Around the perimeter of all rooms, Space Assurance™ is installed with mechanical fasteners or spray adhesive.

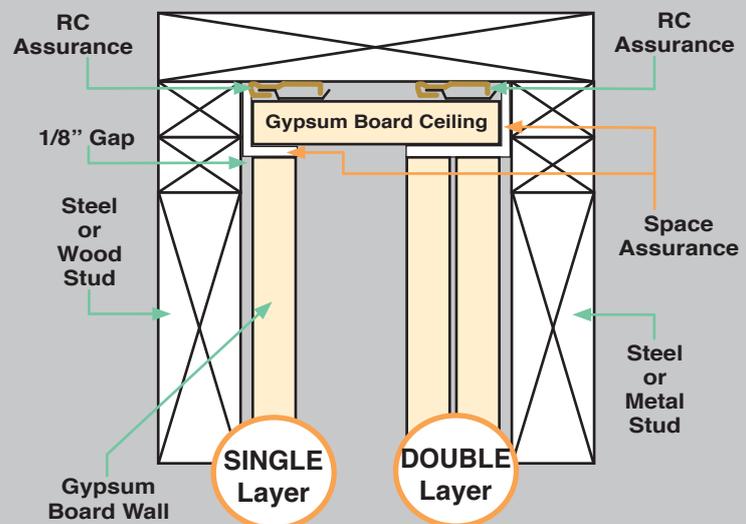
This product is designed for use with Quiet Qurl® sound mat and RC Assurance™ clips for resilient channels.

Install Space Assurance™ prior to all ceiling elements; before resilient channel installation, RC Assurance™ installation and gypsum ceiling or wall installation.

1. Cut Space Assurance™ to the proper length of the wall.
2. Using a mechanical staple hammer, fasten the Space Assurance™ to wood wall framing at the top of the wall where the joists meet the wall. Place one fastener every 12". For metal framing, use spray adhesive such as Super 77 from 3M. Do not place with waves; pull tightly when fastening.
3. Install resilient channels abutting the Space Assurance™. Do not force the resilient channels to the wall elements.
4. Install the gypsum board ceiling abutting the Space Assurance™ without gap, but never compressing the Space Assurance™ to less than 0.125".
5. Pull the Space Assurance™ away from the wall so that it leaves enough room to tuck the gypsum board wall under, allowing the excess Space Assurance™ to protrude from the joint. If the gap is greater than the Space Assurance™, caulk with flame retardant acoustic caulk.
6. Cut the excess Space Assurance™, and mud and tape the corner as normal.

### Applications

- ✓ Multi-family construction: apartment and condominium
- ✓ Wood frame or metal frame construction
- ✓ Gypsum board ceilings and walls
- ✓ Around every wall in wood and metal construction
- ✓ With one or two layers of gypsum board ceiling or wall



QUIET QURL is a component in an overall floor/ceiling assembly. Its performance is affected by every other component and the likelihood of achieving code compliance is contingent upon many other trades including framers, plumbers, drywall contractors to name a few. Developers and general contractors are responsible for building properly and testing field performance as soon as possible in order to assure the reliability of the project.

**WARNING:** Laboratory tests are not a guarantee of field performance because of the issues noted above and many other design errors that may occur. Please consult a professional acoustical consultant to assure plans are proper and that the floor/ceiling assembly can perform to expectations.



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