



7.4 Properties of Materials

7.4.1 Quiet Barrier

A flexible, 2lb per sq./ft. 1/4 in. thick, high density material with a smooth surface designed to reduce noise transmission between two spaces. Applications include reducing airborne noise transmission through walls, ceilings and floors.

- ☐ High performance soundproofing material for reducing airborne noise.
- ☐ May be used behind drywall in wall and ceiling assemblies or sandwiched between existing and new drywall.
- ☐ Use in flooring systems to increase sound transmission class.
- ☐ Only 1/4 in. thick yet weighs 2lb./sq. ft. for maximum noise blocking.
- ☐ Used for both residential and commercial soundproofing applications.
(<http://soundprooffoam.com/>)

7.4.2 Impact Barrier-plus-temp

Premium grade carpet underlayment designed to reduce the transfer of sound from impact.

- ☐ Extremely effective in reducing impact sound.
- ☐ Very effective in reducing airborne sound transmission.
- ☐ Extra padding for additional acoustic performance and comfort.
- ☐ Extends the life of your carpet.
- ☐ Reusable under normal conditions & traditional installation methods.
- ☐ Engineered for plush carpets.
- ☐ Made with approximately 60% recycled materials.
- ☐ 1/2 in. thick easy to cut and install.
(ibid)

7.4.3 Pyramid-Family

High performance, sound absorbing foam panel designed to reduce echo within an environment. Enhances sound quality and aesthetics of a recording or listening environment.

- ☐ Excellent echo reduction.
- ☐ 3D pyramid pattern adds architectural interest.
- ☐ Variety of colors, see color options.
- ☐ Light weight, open cell polyurethane foam.
- ☐ Easy to cut and install, see installation method.
- ☐ UL94 HF-1 flammability rating.
(ibid)

7.4.4 Quiet Batt Fibercraft

A premium high-performance acoustical / thermal insulation manufactured from 80% recycled cotton fibers. Quiet batt offers superior noise reduction versus typical fiberglass, cellulose and foam insulations:

- ☐ No itch, easy to handle friction-fit: easy to install.
- ☐ Superior sound absorbing performance.
- ☐ 80% + recycled cotton fiber content.
- ☐ Available in 3-1/2 in. & 5-1/2 in. thickness.
- ☐ No harmful chemicals or worker discomfort.
- ☐ Meets "Green" building requirements.
(<http://soundprooffoam.com/>)

7.4.5 Carpet

- ☐ Highly durable construction.
- ☐ Attractive finished appearance.
- ☐ perfect for increasing speech privacy.
- ☐ Outstanding sound absorption performance.
(Ibid)

7.4.6 Tufcore Ceiling Tiles

High-performance composite ceiling panel. Especially well-suited to minimize sound transmission between adjacent spaces sharing a common plenum or attic space.

- ☐ Dual function performance absorbs and blocks sound transmission.
- ☐ Available in a variety of finish options and edge details
- ☐ Minimize sound transmission between adjacent spaces sharing a common plenum or attic space.
- ☐ Gypsum improves sound blocking.
- ☐ Fiberglass cores improves sound absorbing.
(Ibid)