

QuietFiber®

(Non-Fiberglass)

Hydrophobic Industrial Noise Absorption Material Benefits and Specifications

(a product of Acoustiblok Corporation)

Engineered specifically for maximum noise absorbency and used extensively in the industrial and commercial field, QuietFiber® is a simple solution to many industrial noise issues.

Non-fiberglass QuietFiber is rated at the highest noise reduction level of "NRC 1.00" (noise reduction coefficient, higher the number the better).

Areas of high noise levels including sound reverberation can be resolved easily and economically by introducing QuietFiber into as much of the area as possible. The amount of noise reduction in highly reflective rooms will be directly relative to how much of the QuietFiber material can be installed into the room. QuietFiber is available in 4 ft. x 6 ft. sheets x 2 in. thick. Ceiling tiles may also be replaced with QuietFiber.

Unlike other fibrous materials or fiberglass which does not have the high NRC ratings that QuietFiber has, QuietFiber is "hydrophobic," meaning it will not absorb nor combine with water. This is an obvious attribute should the material become wet, humid or need steam cleaning. Marine noise reduction applications are endless.

Additional benefits:

- Highest noise absorption rating of NRC 1.00 (exceeds fiberglass sound attenuation)
- Black or white faced version can be used to replace ceiling tiles to significantly reduce internal room noise and flanking from adjoining rooms.
- Highest quality acoustical insulation in the building industry.
- Hydrophobic, will not combine with water.
- Will not support mold.
- Easy installation.
- Full outdoor weather and U.V. tolerant.
- Easily used in conjunction with a high STC barrier material such as Acoustiblok
- Shows significant STC benefit when used in wall or floor assemblies vs. fiberglass.
- High temperature capable for high temperature sound abatement, i.e. generator enclosures.
- Comprised of up to 90% recycled material. 100% recyclable. Non-fiberglass.
- QuietFiber® material is virtually fireproof. Having a U.L. rating of "0 smoke" and "0 flame," it more than meets any fire code (faced version has flame spread of 25). Both versions tested to ASTM E84.
- **Entirely made in USA**



Technical Data:

- Size: 48" (1.2) x 72" (1.8m) x 2" (50mm)
- ASTM NRC1.0
- ASTM E 84 - 0 Flame 0 Smoke
- ASTM C 518 – R4.2 per inch
- ASTM C 518 – 0.24k @ 75 (24° C)

Standards Compliance:

- ASTM C 665 Non-Corrosive Type I
- ASTM C 612 1A, 1B, II, III
- ASTM E 136 Rated Non-combustible per NFPA Std 220
- ASTM C 1104 Absorption less than 1% by volume
- ASTM C 356 Linear shrinkage <2% @ 1200° F (650°C)

| | 125hz | 250hz | 500hz | 1000hz | 2000hz | 4000hz |
|---------|-------|-------|-------|--------|--------|--------|
| NRC 1.0 | 0.36 | 0.79 | 1.15 | 1.04 | 1.01 | 1.04 |