



SUPERIOR ACOUSTICAL PERFORMANCE

QuietZone™ Acoustic Floor Mat, composed of a lightweight, closed cell, extruded polyethylene foam, is acoustically engineered to isolate sound vibrations and impact noises. Wall performance will also increase, as flanking noise will be reduced.

Commercial applications, such as hotel rooms, conference rooms and condominiums as well as residential applications like home theaters or laundry rooms are ideal areas for noise control treatment.

DURABLE MATERIAL COMPOSITION

QuietZone™ Acoustic Floor Mat has exceptional compressive strength, while also being resilient enough to absorb impact vibrations. It will retain its acoustic properties over time while also being resistant to moisture, mold and fungus.

FAST, HIGH QUALITY INSTALLATION

QuietZone™ Acoustic Floor Mat is lightweight, easy to cut and install. Installed beneath 1-1/2" gypsum concrete or a double layer of 3/8" exterior-grade plywood and finished flooring, QuietZone™ Acoustic Floor Mat isolates and minimizes structure-borne noise

from transferring to adjacent areas or rooms. Refer to product packaging for complete installation instructions.

DESIGN CONSIDERATIONS

QuietZone™ Acoustic Floor Mat is to be placed between the subfloor and plywood or gypsum concrete overlayment to create an isolation layer for sound vibrations and impact noises such as foot traffic. The plywood or gypsum concrete overlayment, once installed, "floats" on top of the floor mat providing a rigid surface for the finished flooring.

FIRE SAFETY & APPLICABLE STANDARDS

QuietZone™ Acoustic Floor Mat has been tested in accordance with ASTM E-84 with resulting flame spread/smoke developed indices of 20/50. Thermal barrier and structural requirements are met by using 1-1/2" of gypsum concrete or 2 layers of 3/8" exterior grade plywood.

Always check with your local building code official regarding local requirements affecting installation of all building components.

PHYSICAL PROPERTY DATA

Property	Test Method	Value
Compressive Strength Vertical Direction	ASTM D-3575-93 Suffix D @ 25%/50%	720/1800 (psf)
Compression Set (50% deflection requires a loading of 1800 psf)	ASTM D-3575-93 Suffix B	19% (81% Recovery)
Nominal Density	ASTM C-303	2.2 (pcf)
Water Absorption	ASTM D-3575-93 Suffix L	<0.1 (psf)
Thermal Resistance R-Value	ASTM C-518-85	1.3 (HR-FT ² -°F/BTU)
Surface Burning Characteristics	ASTM E-84*	Flame spread 20 Smoke Developed 50

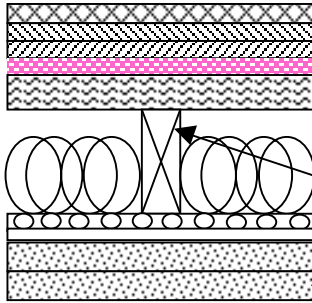
* ASTM E-84 is a standard used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions using proper construction techniques and assembly. Improper installation can adversely affect fire performance.

QUIETZONE™ ACOUSTIC FLOOR MAT

WOOD FRAME CONSTRUCTION

STC-63
IIC-55

Wood Parquet Flooring



Acoustic Testing completed by the National Research Council of Canada

2 layers of 3/8" exterior grade plywood

1-1/2" reinforced mortar bed

3/8" Owens Corning QuietZone™ Acoustic Floor Mat

3/4" Plywood Subfloor

2"x10" wood joists, 16" o.c.

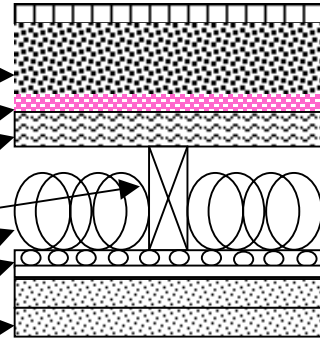
Owens Corning Acoustic Insulation

Resilient Channel 24" o.c.

2 layer, 5/8" Resilient Gypsum Ceiling

STC-73
IIC-63

Tile Flooring

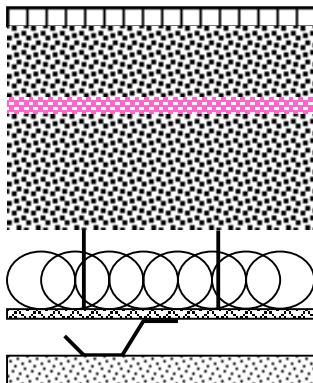


Acoustic Testing completed by the National Research Council of Canada

Passed **Heavy Rating** when tested in accordance with ASTM C-627 by the **Tile Council of America**

CONCRETE SLAB CONSTRUCTION

Finished Flooring



1-1/2" reinforced mortar bed

3/8" Owens Corning QuietZone™ Acoustic Floor Mat

6" Reinforced concrete slab

Owens Corning QuietZone™ Acoustic Batt Insulation

5/8" Resilient Gypsum Ceiling

FINISHED FLOORING

STC IIC

VINYL

RAL-TL99-213; RAL-IN99-18

59 59

LAMINATE WOOD

RAL-TL99-214; RAL-IN99-19

59 58

TILE

RAL-TL88-217; RAL-IN99-17

58 57

Passed **Light Commercial Rating** when tested in accordance with ASTM C-627 by the **Tile Council of America**.

Acoustic Testing completed by Riverbank Acoustical Laboratories.

TECHNICAL DATA

Material: polyethylene foam with an anti-static agent.

Package Form: Roll

Length: 35 ft.

Width: 4 ft.

Area: 140 sq.ft.

Thickness: 3/8 in. (9.5mm)

Roll Diameter: 14 in.

Roll Weight: 10.25 lbs.

SPECIFICATION

Sound rated floor material shall be 3/8" (9.5mm) thick closed cell polyethylene foam with an anti-static agent.

The isolation system shall have a minimum IIC rating of _____, and an STC rating of _____ when tested in accordance with ASTM E-492 and ASTM E-90 at an accredited Acoustical Laboratory.

The sound rated material shall be QuietZone™ Acoustic Floor Mat as supplied by Owens Corning.



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