

Green Building Starts with Homasote

For 100 years, Homasote has been the trusted choice for reliable product quality as America's oldest manufacturer of structural building and industrial packaging products made from 98% recycled materials. Containing no urea formaldehyde or asbestos additives. Homasote products provide a healthier built and natural environment, reduce solid waste in landfills and conserve natural resources:

- Wall and floor sound control assemblies
- Fire-rated, load bearing roof decking

- Tackable and fabric sheathed wallboards and corkboards
- Weather-resistant concrete expansion joints and concrete forms
- Custom designed industrial packaging

Homasote high density structural fiberboard products are the premium alternative to higher priced boards, providing superior performance in a wide range of commercial and residential applications.



HOMASOTE®

*Sensible. Sound.
Solutions.*



800-257-9491 • Technical Support call Ext. 1332 or e-mail techhelp@homasote.com

www.homasote.com

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Printed on recycled paper

HOMASOTE® 440 SOUNDBARRIER® SOUND CONTROL PANELS

The Premium Performance Alternative for Floor, Wall and Ceiling Sound Control

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*Sensible. Sound.
Solutions.*

ICC BUILDING CODE NOW CALLS FOR STRICT SOUND CONTROL
Structural Homasote® 440 SoundBarrier® is engineered to control sound in UL®-listed floor and wall assemblies (ICC-ES ESR-1374)

Industry awareness of the need for sound control in multi-family residential and commercial construction is growing due to stricter building code requirements. According to the American Institute of Architects (AIA), litigation over inadequate sound mitigation is the number two driver of construction lawsuits. The absolute cost in dollars and customer satisfaction of such claims is enormous and completely avoidable with the use of Homasote 440 SoundBarrier.



**The Natural Choice for Sound Control:
440 SoundBarrier**

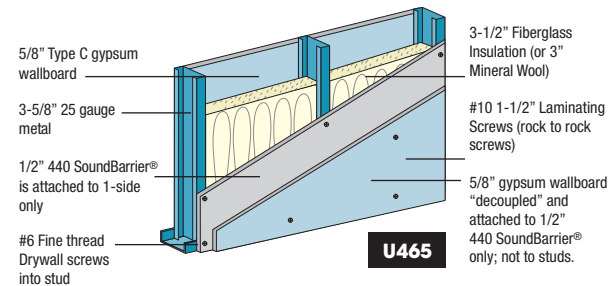
At Homasote, we provide our customers with the highest quality 440 SoundBarrier performance that is recognized in UL L500 Series Floor/Ceiling and UL U Series Wall Assemblies:

- Sound deadening
- Moisture- and mold-resistant
- 98% recycled materials
- Integrally protected with safe, non-toxic adhesives against termites, rot and fungi
- No urea formaldehyde or asbestos additives
- Thermally insulating, twice the R-value of wood
- Durable, lightweight and easy to install
- LEED-compliant
- CHPS-certified

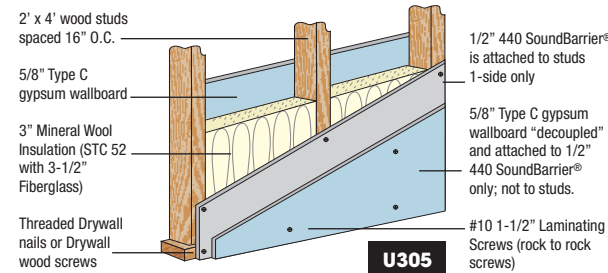
**The Premium Performance Alternative for
Every Sound Control Application**

- Multi-family residential
- Mixed use commercial
- Hotels and hospitals
- Schools
- Public buildings
- Home theaters

Decoupled™ Wall Assembly
STC 54, 16" OC • STC 55, 24" OC

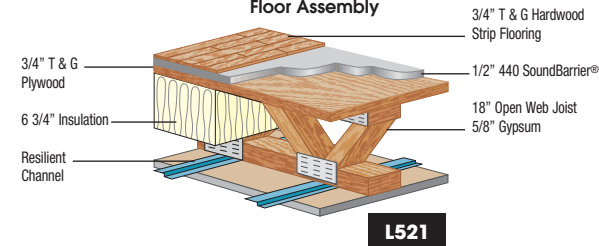


STC 53



STC 54 IIC 51

Floor Assembly



IBC Section 1207 Sound Transmission

1207.1 Scope:

This section shall apply to common interior walls, partitions and floor/ceiling assemblies between adjacent dwelling units or between dwelling units and adjacent public areas such as halls, corridors, stairs or service areas.

1207.2 Airborne sound:

Walls, partitions and floor/ceiling assemblies separating dwelling units from each other or from public or service areas shall have a sound transmission class (STC) of not less than 50 (45 if field tested) for airborne noise when tested in accordance with ASTM E 90.

Homasote assemblies achieve STC ratings as high as 66.

1207.3 Structure-borne sound:

Floor/ceiling assemblies between dwelling units or between a dwelling unit and public or service area within the structure shall have an impact insulation class (IIC) rating of not less than 50 (45 if field tested) when tested in accordance with ASTM E 492.

Homasote assemblies achieve IIC ratings as high as 82.

**Related Flooring Solutions:
Homasote ComfortBase®**

Nailable, structural, moisture- and mold-resistant, ComfortBase® reduces sound transmission through all floor finishes, including hardwood, floating wood/laminate, vinyl and other sound-projecting surfaces.

- Superior sound control between floors
- Meets IBC code
- Lightweight and easily installed
- 4' x 4' panels

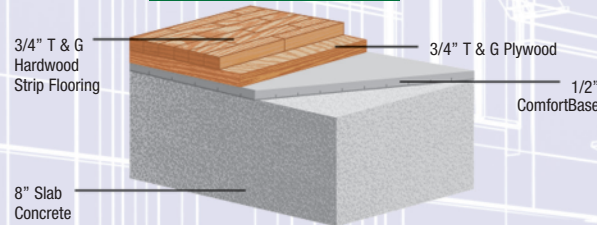
**ComfortBase Allows Concrete
Slab Floors to Breathe**

The single-ply concrete flooring system is perfect for installation over concrete slab floors, increasing the floor surface temperature with twice the R-value of wood. ComfortBase is a resilient board that cushions hard concrete, yet is structural and durable enough for heavy traffic. The uniquely engineered bottom surface provides a built-in ventilation system, which allows concrete to breathe naturally.

ComfortBase is easily applied by the framing carpenter, avoiding the expense of additional contractors. Our float method for installation under the pad and carpet eliminates the need for mechanical fasteners.

- Cushions concrete
- Built-in ventilating grid system improves room conditions
- Easy to install
- Rooms feel warmer, helping reduce heating bills
- Adds only 1/2" to floor height

STC 51 IIC 53



440 SoundBarrier®

HOMASOTE®

**Sensible. Sound.
Solutions.**