

440 SOUND BARRIER® FOR IBC 1206

Installing ½" Homasote 440 SoundBarrier (440 SB) can cost less than that of Poured Gypsum	VS	Poured Gypsum offers no cost savings when specified with the sound mat that is required for IBC 1206
More cost savings can be achieved by installing 440 SB because it requires less interior framing material (double bottom plates)	VS	Installing 1" thick Poured Gypsum with a sound mat offers no cost savings ; it requires the labor and material costs of double bottom plates
Still more cost savings can be attained by reducing the amount of joist material required to carry the weight of 1" of poured gypsum. 440 SB weighs just 1.2 lbs/sf	VS	Installing Poured Gypsum offers no cost savings as 1" thick gypsum weighs 9.2 lbs/sf and requires more robust framing to support that weight
Installing 440 SB further reduces cost because it does not disrupt project schedules. It handles like plywood and can be installed in the presence of other trades	VS	Installing Poured Gypsum disrupts project schedules and adds expenses because it requires the evacuation of all other trades from the project
Installing 440 SB does not introduce moisture into the building envelope that can lead to eventual mold growth in the gypsum wall board	VS	Installing Poured Gypsum introduces significant amounts of water to the building envelope. 1" thick gypsum requires 160 gallons of water for every 1,000 sf
Installing 440 SB causes no down time at the job site as there is no waiting for an outside contractor to schedule the work and there is no required dry time	VS	Installing Poured Gypsum causes down time waiting for the material to cure. This time can be appreciable depending upon weather conditions
When installing 440 SB in an enclosed structure temperature does not need to be taken into consideration	VS	Temperature must be considered when installing Poured Gypsum ; a temperature of at least 50 degrees F
440 SB maintains the contour of the subfloor; properly installed, 440 SB eliminates potential elevation problems at doorways and other height sensitive areas	VS	Liquid Gypsum is poured in place and may set up with peaks and valleys in a way that creates problems in height sensitive areas
Installed 440 SB maintains sound attenuation over time because 440 SB allows for slight building movement without the risk of cracking	VS	Poured Gypsum may lose its ability to attenuate sound over time as it can crack with even the slightest building movement

ALL HOMASOTE PRODUCTS ARE GREEN

Manufactured from up to 98% recycled content, offering the highest contribution toward LEED Certification.

Installing **440 SB** and other Homasote products is resourceful and offers the opportunity for healthier living environments.

440 SB is easier on the feet than **Poured Gypsum** alternatives; reduces the wear on finish flooring.

440 SoundBarrier is a lightweight structural sound-deadening panel that attenuates most structure borne sound. As a cellulose material, **440 SB** is a natural sound barrier. Accredited, independent test reports show high STC and IIC ratings in all standard floor/ceiling assemblies without the use of additional sound control components. Please [click here](#) to see **independently tested Sound and Fire Rated floor/ceiling assemblies**.

All assembly testing conducted with expansion gaps; please make sure to follow installation instructions when installing **440 SB** and finished flooring. For more information [click here](#).

FINISHED FLOORING

CARPET:

Stretch and Tack—fasten tack strip through **440 SB**

Glue-down

- Install ¼" over **440 SB**
- Alternatively – Install leveling agent over **440 SB** gaps

Carpet Tiles

- Install ¼" over **440 SB**
- Alternatively – Install leveling agent over **440 SB** gaps

HARDWOOD:

Floating Floors

- Follow manufacturer's instructions

Nail-down

- Cut to 4x4 and use 2" fasteners

Glue-down

- Follow manufacturer's instructions

LVT/LVP:

- Use 4 mm LVT/LVP
- Less than 4 mm – Install leveling agent over **440 SB** gaps or a layer of ¼" plywood

CERAMIC TILE:

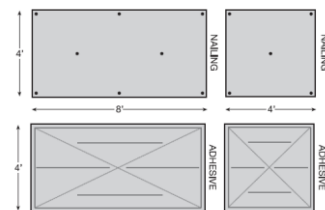
- Cut to 4x4 and use 2" fasteners
- Install and anti-fracture membrane such as Schluter Ditra or Proflex 90

FASTENING:

Screw and Glue

- Follow published Homasote instructions

"Glue-Nail/Screw Pattern Over Wood Sub-floor"



Sensible. Sound.
Solutions.



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

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