High-Density Fiberboard Panel for Added Structural Strength

PLUS SOUND AND THERMAL RESISTANCE

QuietBrace® structural fiberboard sheathing by Georgia-Pacific combines the bracing of a structural sheathing with the sound-deadening properties of a sound board to help support a peaceful interior environment. Asphalt coated on all sides to help combat air infiltration and moisture absorption, QuietBrace can help increase a structure’s energy efficiency and help reduce its utility expenses. In contrast, QuietBrace is still beneficially permeable so it allows walls to breathe and moisture vapor to escape. Produced with a high percentage of regionally sourced, recycled fiber content, QuietBrace provides strong construction characteristics and valuable environmental contributions as well as material cost efficiency and stability.

SIZES
- Thicknesses: 1/2", 25/32"
- Dimensions: 4’x8’, 4’x9’, 4’x10’
- Pieces per Unit: 90 (1/2”), 60 (25/32”)

APPLICATIONS
- Code-recognized structural wall bracing and racking resistance
- Sound transmission-resistant wall construction component
- Supplemental thermal insulation panel
- Wall system component material for 1-hour fire-resistance-rated wall assembly

Georgia-Pacific Panel Products
Horizontal joints must be backed with framing for proper doors and windows.

Sound deadening boards.

Type 1 performance equivalent to panels classified as walls sheathing, Grade 2 Type IV the Specification for Cellulosic Fiber Insulating Board.

ASTM C208, fasteners should

For Structural applications fasteners should be spaced 3" o.c. along the edges and 6" o.c. in the field of each panel (see Figure 1). Suitable fastener types are minimum 1 1/4" 11-ga galvanized roofing nails (7/16" heads) or 1 1/2" 16-ga corrosion-resistant staples (7/16" or 1" crowns). Refer to local building codes for specific racking resistance requirements.

For non-structural applications, fasteners should be spaced 6" o.c. along the edges and 12" o.c. in the field of each panel. QuietBrace sheathing should be covered by a water-resistant barrier and an approved wall covering in accordance with the applicable building codes.

Separate, more detailed installation instructions describing acceptable framing, fasteners, spacing between panels and around openings as well as other considerations, calculations and special stucco/lath requirements are available on our website and from your Georgia-Pacific representative.

Fig 1. Structural Sheathing Installation Requirements

All joints over framing members

1/8" minimum gap between edges

6" on-center field

3" on-center edge fastening

Minimum of 1 1/4" 11-ga galvanized roofing nails or 1 1/2" corrosion-resistant construction staples

SPECIFICATION AND CODE COMPLIANCE

QuietBrace meets or exceeds the requirements in the building code-referenced industry standard ASTM C208, the Specification for Cellulosic Fiber Insulating Board. It is classified as a Type IV (wall sheathing), Grade 2 (structural) building panel and also provides noise reduction performance equivalent to panels classified as Type 1 sound deadening boards.

This makes QuietBrace compliant with the provisions of the International Building Code (IBC) and the International Residential Code (IRC) as a wall bracing sheathing in conventional light-frame construction and when design for wind is required. QuietBrace is also acceptable in Seismic Categories A, B, and C.

APPROVED FIRE-RESISTANCE RATED ASSEMBLY

QuietBrace is UL approved as a wall assembly component for multi-family and commercial wall systems requiring a one-hour fire rating in accordance with UL assembly U356 (interior wall to flame).

INSTALLATION REQUIREMENTS

QuietBrace should be installed on exterior walls with studs spaced no more than 16" o.c. It may be applied vertically with the long edges parallel to the studs or horizontally with the long edges perpendicular to the studs. Center all joints over the framing members with a 1/8" gap between edges. Leave a 1/8" minimum gap at doors and windows.

Horizontal joints must be backed with framing for proper fastening. For Structural applications, fasteners should...