



QUIETBRACE®

SOUND-DEADENING STRUCTURAL SHEATHING



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





PHYSICAL PROPERTIES		THICKNESS	
		1/2"	25/32"
Thermal Resistance Same as R-Value*	ASTM C518	1.31	2.06
Density (lbs./cu. ft.)	ASTM D1037	21-25	21-25
Tensile Strength Parallel to Surface (PSI min.)	ASTM C209	200	200
Transverse Load Either Direction (min. lbs.)	ASTM C209	20	20
Water Absorption (% max.)	ASTM C209	15% / 24 hr.	7% / 2 hr.
Vapor Permeance (min.)	ASTM C209	5 grains / h-ft ² -in Hg min.	5 grains / h-ft ² -in Hg min.
Flame Spread Index	ASTM C209	>75 (Class III or C)	>75 (Class III or C)
Sound Transmission Class (STC)	ASTM E90	26	26
Noise Reduction Coefficient (NRC)	ASTM E795	0.30	0.30

*The higher the R value, the greater the insulating value.

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

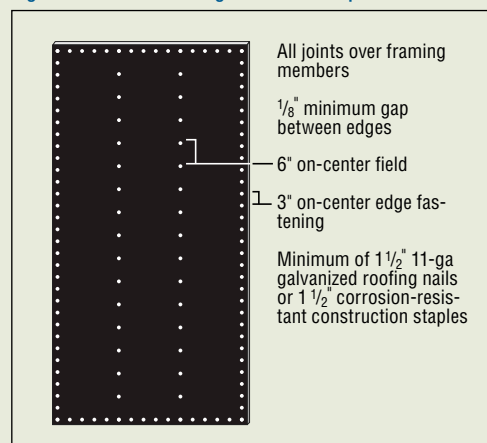
be spaced 3" o.c. along the edges and 6" o.c. in the field of each panel (see **Figure 1**). Suitable fastener types are minimum 1 1/2" 11-ga galvanized roofing nails (7/16" heads) or 1 1/2" 16-ga corrosion-resistant staples (7/16" or 1" crowns). Refer to local building codes for specific racking resistance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



GENERAL DESCRIPTION

Composition: Cellulosic Wood Fibers, Binders and Asphalt

Density: High Density

Coating: Asphalt Coated 6 Sides

SAFETY & SUSTAINABILITY

■ **WARNING** – Sawing, sanding or machining wood or wood products can generate dust. Wood dust may ignite or form explosive mixture with air in the presence of an ignition source. Wood dust or asphalt may be irritating to eyes, skin or respiratory system. If heated beyond 200°F, or if the product catches fire, product will emit toxic fumes and/or gases. Avoid inhaling asphalt fumes and/or gases.

(For product safety and use information, go to www.buildgp.com/safetyinfo or call 1-800-284-5347.)

- QuietBrace contains no added urea formaldehyde.
- Georgia-Pacific procurement practices are certified to conform with the **Sustainable Forestry Initiative®** program objectives 8-20 of Section 2 - SFI 2010-2014.
- **Green Building** – The specification and usage of QuietBrace can help contribute toward credits in sustainable building rating systems such as LEED, the NAHB Green Building Standard and others:
 - LEED MR 4: Pre-Consumer Recycled Content
 - LEED MR 5: Local/Regional Materials (Where applicable)
 - LEED EQ 4.4: Environmental Quality

(For more information about sustainable building contributions, contact your Georgia-Pacific representative.)

LIMITATIONS:

- **DO NOT** use QuietBrace as a base for any mechanical fastening including nailing.
- Avoid exposure to constant moisture before, during and after installation.
- **DO NOT** apply QuietBrace below grade.
- **DO NOT** use QuietBrace for floor or roof structural applications.



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