



ICC-ES Listing Report ESL-1105

Reissued September 2024

This listing is subject to renewal September 2025.

CSI: DIVISION: 09 00 00—FINISHES
Section: 09 29 00—Gypsum Board

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: PANEL REY GLASS REY® 5/8-INCH (GREX) EXTENDED EXPOSURE SHEATHING BOARD

Listee: PANEL REY, S.A.

Evaluation: Glass Rey 5/8-inch (GREX) extended exposure sheathing board was evaluated based on a tested limited-load-bearing wall assembly consisting of building-material components described in the Assembly Section, tested in accordance with the following standards:

- UL 263-11, UL 263-03 (with revisions through October 2007) and UL 263-03, Standard for Fire Tests of Building Construction and Materials, Underwriters Laboratories, Inc.
- ASTM E119-2012A, ASTM E119-08A and ASTM E119-07, Standard Test Methods for Fire Tests of Building Construction and Materials, ASTM International.

Assembly: The 5/8-inch thick (15.9 mm) Glass Rey (GREX) Extended Exposure Sheathing Board must be applied horizontally to the outside face of the wall, of minimum nominally 2-by-4 wood studs spaced at a maximum of 16 inches (406 mm) on-center. A layer of 5/8-inch-thick (15.9 mm) Type X gypsum wallboard conforming to ASTM C1396 must be installed horizontally on the interior side of the wall. The boards must be attached using minimum 1 7/8-inch-long (47.6 mm) galvanized 6d nails, spaced at 7 inches on-center (177.8 mm) at the edges and 16 inches on-center (406 mm) at intermediate studs. All exposed interior gypsum wallboard joints must be taped with joint tape and compound, and all nail heads must be covered with joint compound, in accordance with ASTM C840 or GA216. The wall framing members must be braced laterally at the mid-height of the wall assembly with horizontal blocking. The allowable bearing loads for the assembly must not exceed 1180 pounds (5252 N) per stud and were calculated using an unbraced length for bracing in the wood studs' weak direction based on the horizontal blocking located at the wall mid-height [60 inches (1524 mm) on center maximum], with the wood studs having a slenderness ratio (l_e/d), value of 39.

Findings: The assembly described in the Assembly Section, with the Glass Rey 5/8-inch (GREX) extended exposure sheathing board as a component of the assembly, is a one-hour fire-resistance-rated limited-load-bearing wall assembly, based on testing in accordance with UL 263/ASTM E119, as referenced in the applicable sections of the following code editions:

- 2015, 2012 and 2009 *International Building Code*®
Applicable Section: 703.2 and 705
- 2015, 2012 and 2009 *International Residential Code*®
Applicable Section: R302

Identification:

1. Each Glass Rey Extended Exposure Sheathing Board is identified with the manufacturer's name (Panel Rey, S.A.), a plant identifier and date code, the product name, the board thickness, and the evaluation report number (ESR-3831), the listing report number (ESL-1105), and when applicable, the listing mark.
2. The report holder's contact information is the following:

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Installation: The Glass Rey $\frac{5}{8}$ -inch (GREX) extended exposure sheathing board shall be installed in accordance with the Panel Rey, S.A. published installation instructions and applicable codes.

Conditions of Listing:

1. The listing report addresses only conformance with the standards and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. The Assembly Section describes the assembly using Glass Rey $\frac{5}{8}$ -inch (GREX) extended exposure sheathing board that is qualified for use in a limited-load-bearing wall fire-resistance-rated assembly.