

EXHIBIT A

ICC-ES Evaluation Report

ESR-2407

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 21 00—Thermal Insulation

Section: 07 22 00—Roof and Deck Insulation

REPORT HOLDER:

PROWALL BUILDING PRODUCTS, INC.

EVALUATION SUBJECT:

PROWALL FOAM PLASTIC INSULATION BOARDS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2018, 2015, 2012, 2009 and 2006 *International Energy Conservation Code*® (IECC)

Properties evaluated:

- Physical properties
- Surface burning characteristics
- Thermal performance (R-value)
- Attic and crawl space installation

2.0 USES

2.1 PROWALL EPS Insulation Boards:

The PROWALL expanded polystyrene (EPS) insulation boards described in this evaluation report are used as a general, nonstructural, thermal insulation material. Other uses include installation on the outside faces of exterior walls in buildings of Type V-B (IBC) construction or structures constructed in accordance with the IRC; in wall cavities; in door cavities; as a component of classified roof assemblies; at the exterior perimeter of foundations and basements; and as architectural shapes. When used as the core of sandwich panels, the insulation boards must be specifically recognized in a current evaluation report. PROWALL EPS insulation boards may be used in roof covering assemblies when specifically recognized in a current ICC-ES report for the roof-covering system. The evaluation report for the roof covering material must recognize the EPS insulation as part of a Class A, B or C roof assembly tested in accordance with ASTM E 108 or UL 790.

PROWALL EPS insulation boards may be used as a core material in doors that do not require a fire-resistance rating when installed in accordance with IBC Sections 2603.4.1.7 and 2603.4.1.8, 2018, 2015, 2012 and 2009 IRC Sections R316.5.5 and R316.5.6 or 2006 IRC Sections R314.5.5 and R314.5.6.

2.2 PROWALL EIFS Grade (PBP-EIFS) Insulation Boards:

PROWALL EIFS Grade (PBP-EIFS) insulation boards are used as nonstructural thermal insulation in exterior insulation and finish systems (EIFS). The insulation is used on the outside faces of exterior walls when an ASTM C 578, Type I, EPS insulation board is specified in a current ICC-ES evaluation report for an EIFS.

2.3 PROWALL One-Coat Stucco (PBP-OCS) Insulation Boards:

PROWALL One-Coat Stucco (PBP-OCS) insulation boards are used in one-coat cementitious exterior wall coating systems recognized in an evaluation report in which a generic ASTM C 578, Type I or Type II, EPS insulation board is specified.

2.4 PROWALL Attic and Crawl Space (PBP-ACS) Insulation Board:

PROWALL attic and crawl space (PBP-ACS) insulation boards installed on the interior side of walls in attics and crawl spaces may be left exposed as prescribed in Section 4.4 of this report.

2.5 PROWALL Drainboard:

PROWALL Drainboard insulation boards are used in one-coat cementitious exterior wall coating systems recognized in a current ICC-ES evaluation report in which a generic ASTM C 578, Type II, EPS insulation board is specified.

3.0 DESCRIPTION

3.1 General:

PROWALL insulation boards having a maximum thickness of 6 inches (152.4 mm) and a maximum nominal density of 2 pcf (32.0 kg/m³), have a flame-spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E 84 or UL 723.

3.2 PROWALL EPS Insulation Boards:

PROWALL EPS boards are molded closed-cell EPS insulation boards. The boards are available as Type I, II, or IX boards complying with ASTM C 578, and have densities and thermal resistance values as shown in Table 1. The boards are available in various lengths and widths and in

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TYPE II EXPANDED POLYSTYRENE BOARD

1.35 pcf Minimum

Standard Specifications

(ASTM C-578-09e)

FEATURE

ACCEPTANCE LIMITS

Density

1.35 lb/ft³ minimum

Flexural

35 psi minimum

Compressive

15 psi minimum

Thermal
(@ 75°F + 2°F Mean) R=

4.0 minimum (for 1")
ASTM C-518

Dimensional

Length \pm 1/32"/ft.
Width \pm 1/16"/ft.
Thickness \pm 1/16"/in. (1")
Square within 1/16"/ft. of width or length

Oxygen Index

24.0 min.

Flame Spread &
Smoke Density

Less than 25 flame spread and 450 smoke density
as certified by bead supplier per ASTM E-84.

Beads

Modified only and recognized in a current
evaluation report (see Appendix, EPS bead
suppliers specifications for approved suppliers).

Note- The use of re-grind material is prohibited
where the insulation board is approved and listed
by RADCO for use in products and systems
recognized in a current code body evaluation
report. Refer to the individual specification sheets
for each approved product.

Billet Curing

Minimum 24 hours

Revised 1/20/12