

I. MANUFACTURER:

A. ISOKERN Fireplace and Chimney Systems, North America distribution by Earthcore Industries, LLC, Jacksonville, Florida (Telephone 800-642-2920)

II. PRODUCT DESCRIPTION:

A. Modular refractory masonry precast fireplace.

- 1. Designed for field assembly as a gas only, B-vent appliance.
- 2. All interlocking parts necessary for assembly of a complete firebox and smoke dome.

III. MATERIALS:

A. Light weight concrete of a proprietary mixture of Icelandic volcanic aggregate and aluminum cement for precast firebox.

- 1. Compressive Strength: Firebox block: 972 psi.

B. Premixed (dry) EARTHCORE ADHESIVE.

- 1. Tensile strength: 807 psi; Compressive strength: 2460 psi.
- 2. Tested per ASTM C109, ASTM C307, and ANSI 118.4.

C. Standard 1 1/8" high temperature refractory brick to line firebox interior.

IV. INSTALLATION:

A. Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details.

B. Suitable masonry foundation or structural wood floor system must be provided.

C. Unit to be assembled on site per manufacturer's illustrated instructions.

- 1. Premixed EARTHCORE ADHESIVE is used at all joints between components.
- 2. Firebox to be lined with a minimum 1 1/8" rated firebrick.

D. Firebox units listed for "zero clearance" to uninsulated wood framing members.

E. A 1 1/2" minimum clearance to combustible materials is recommended.

F. A 3" minimum clearance to insulation required.

V. CERTIFICATION:

A. PFS Corporation, PFS Report No. 09-79

B. Meets or exceeds ANSI Z 21.50b-2009, CSA 2.22b-2009.

VI. CODE COMPLIANCE:

ICC No. ESR 2316 / LARR #25483 / MEA N.Y.C. 241-90-E



Fireplaces and Chimney Systems
A PRODUCT OF EARTHCORE INDUSTRIES, LLC

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| DWG. NO. | SCALE | REVISIONS | BY |
| | NTS | | |
| DESCRIPTION | | | |
| IBV Specifications | | | |
| DATE | DB: | | |
| 09/01/2009 | JMK | | |