

ISOKERN GREENTECH FIREPLACE AND CHIMNEY

SPECIFICATIONS:

I. MANUFACTURER:

A. Earthcore Industries, LLC., Jacksonville, FL (Telephone 800-642-2920)

II. PRODUCT DESCRIPTION:

- A. Modular refractory precast fireplace and chimney components.
1. Designed for field assembly as a fireplace and chimney unit.
 2. All interlocking parts necessary for assembly of a complete firebox and smoke dome.
 3. EPA Phase II Catalytic Combustor Kit
 4. Interlocking double module chimney components (DM).

III. MATERIALS:

- A. Light weight concrete of a proprietary mixture of Icelandic volcanic pumice aggregate and cement for precast firebox, chimney block and flue liner components.
1. Compressive Strength: Firebox and Chimney Block: 972 psi.
 2. Compressive Strength: Flue Liner: 1175 psi.
- B. Premixed (dry) EARTHCORE ADHESIVE.
1. Tested per ASTM C109, ASTM C307, and ANSI 118.4.
- C. Standard 1 1/8" medium duty refractory brick to line firebox interior.
- D. Top mount or in-line damper available must be utilized.

IV. INSTALLATION:

- A. Reference manufacturer's installation instructions for standard configurations, weights, sizes, combustor location and installation details.
- B. Suitable masonry foundation and noncombustible hearth extensions 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. Standard fireplace and chimney units listed for one and one half inches to uninsulated wood framing members.
- E. Combustor replacement every 3-5 years.
- F. A 3" minimum clearance envelope to insulation required.

V. CERTIFICATION:

- A. Omni Testing Services Report No. 257-F-06-3
- B. Meets or exceeds EPA Phase II Emissions level

VI. CODE COMPLIANCE:

- A. Standard fireplace and chimney units listed for one and one half inches to uninsulated wood framing members.

Note: Isokern components are a natural material and slight variations in dimensions may occur. These should be no more than $\frac{1}{8}$ ".



Fireplaces and Chimney Systems
A PRODUCT OF EARTHCORE INDUSTRIES, LLC

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DWG. NO.

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SCALE

NTS

GreenTech - S 36C
EPA Phase II Approved

DATE

02/15/2010

DB:

JMK

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