

***EnergyEdge*[™] Product Guide Specification for *EnergyFlash*[™]**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” when editing this section.

Section numbers are from *MasterFormat* 1995 Edition, with numbers from *MasterFormat* 2004 Edition in parentheses. Delete version not required.

SECTION 03130 (03 11 19)

ICONCRETE TRANSITION FLASHING AND FORM LINER

Specifier Notes: This section covers *EnergyEdge*, LLC “*EnergyFlash*[™]” stay-in-place, insulation protection flashing and form liner. Consult *EnergyEdge*, LLC for assistance in editing this section for the specific application. *EnergyEdge* products are Patent Pending.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Stay-in-place, slab edge flashing and forming liners.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 03300 (03 30 00) – Cast-in-Place Concrete.

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ASHRAE 90.1 – Energy Standard for Buildings Except Low-Rise Residential Buildings.
- B. ASTM C 578 – Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

1.4 SYSTEM DESCRIPTION

- A. Concrete Slab Edge Flashing and Form Liners:
 - 1. Forms perimeter of required slab when used with new construction.
 - 2. Stay-in-place flashing protects insulation after concrete hardens.
 - 3. Serves as a finishing and flashing material protecting insulation installed after construction or installed on existing structures over new at-grade insulation in retro-fitting projects.

Specifier Notes: The type and requirement for anchoring systems will vary with the type of wall system used. The *EnergyFlash* products can be used with a variety of wall systems. Consult *EnergyEdge*, LLC for more information.

- 4. Serves as guide for straight and properly spaced placement of sill plate anchor bolts.
- 5. Provides required thermal continuation of building envelope on outside face of exposed slab edge from top of slab to top of concrete foundation.
- 6. Protects insulation standards for slab edge insulation required by ASHRAE 90.1 building energy conservation standards.

1.5 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- D. Warranty: Submit manufacturer's standard warranty.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery:
 - 1. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store materials in accordance with manufacturer's instructions.
 - 2. Keep materials clean, dry, and protected from weather.
 - 3. Do not expose rail members to weather for more than 10 days.
- C. Handling: Protect materials during handling and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. EnergyEdge, LLC, 7701 East Kellogg, Suite 722, Wichita, Kansas 67207. Phone (316) 618-1983. Fax (316) 684-3984. Website www.energyedgeform.com. E-mail info@energyedgeform.com.

2.2 INSULATING CONCRETE SLAB EDGE FLASHING

- A. Edge Forming and Flashing: “EnergyFlash” permanent, insulated, concrete slab edge flashing and insulation protection member.
 - 1. Rail Members: “EF Rail”.
 - a. Material: Virgin, extruded, E-shaped, fence-grade, PVC with UV inhibitors.

Specifier Notes: Concrete grey is the standard color for rail members. Consult EnergyEdge, LLC for availability of custom colors.

- b. Color: Concrete grey.
 - c. Protects and holds insulation in place.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive edge flashing material.
- B. Notify Architect of conditions that would adversely affect installation.
- C. Do not begin preparation or installation until unacceptable conditions are corrected.

3.2 PREPARATION

- A. Ensure wood foundation forming materials have been properly installed and allow for offsets required by installation of EnergyFlash materials.
- B. When installing EnergyFlash over existing new slab material or over new insulation material on a retro-fit installation, apply approved adhesive material to insulation to hold flashing material in place during backfill. Mechanically fasten top of EnergyFlash to slab as per manufacturer's guidelines or as existing conditions may allow.

3.3 INSTALLATION

- A. Install flashing in accordance with manufacturer's instructions.
- B. Layout slab edge forms to allow for proper horizontal & vertical relationship of finished surface rail member and wall construction.
- C. Install edge flashing plumb, level, square, true to line, and to proper top-of-slab elevation.

- D. Rail Members: Field cut rail members in accordance with manufacturer's instructions.
- E. Avoid direct discharge of concrete against rail members during concrete placement.
- F. Screed concrete level to top of rail members.

3.4 CLEANING

- A. Clean surfaces of exposed rail members after concrete placement.

3.5 PROTECTION

- A. Protect installed insulated concrete slab edge forms from damage during construction.

END OF SECTION