

**Specification for Model IsoBacker
Acoustical Fire Rated Outlet Backer Pad
Kinetics Noise Control**

Part 1.00 General

1.01 Related Documents

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division - 1 Specification sections, apply to work of this section.

1.02 Related Work Specified Elsewhere

- A. Coordinate work of this section with work of other sections as required to properly execute the work and as necessary to maintain satisfactory progress of the work of other sections, including:
 - 1. Section 07 06 80 Schedules for Fire and Smoke Protection
 - 2. Section 07 92 19 Acoustical Joint Sealant
 - 3. Section 09 29 82 Gypsum Board Fireproofing
 - 4. Section 09 21 16 Gypsum Board Assemblies
 - 5. Section 26 05 00 Common Work Results for Electrical

1.03 Description of System

- A. The work under this Section shall include furnishing all labor, materials, tools, appliances and equipment, and performing all operations necessary for the complete execution of the installation of the acoustical fire rated outlet backer pad as shown, detailed and/or scheduled on the drawings, and/or specified in this section of the specifications except as listed above. This work in general shall be included but not necessarily be limited to the following:
 - 1. Electrical outlets shall be wrapped with an outlet backer pad

1.04 References

- A. Test Requirements:
 - 1. ASTM E-814-02, "Standard Method of Fire Tests of Through Penetration Fire Stops"
 - 2. ASTM E119 "Standard Test Methods for Fire Tests of Building Construction and Materials"
- B. Underwriters Laboratories (UL) of Northbrook, IL runs ASTM E-814 under their designation of UL 1479, ASTM E-119 under their designation of UL 263 and publishes the results in their "FIRE RESISTANCE DIRECTORY" that is updated annually.
 - 1. UL Fire Resistance Directory:
 - a. Wall Opening Protective Materials *CLIV*
- C. All major building codes: ICBO, SBCCI, BOCA, and IBC.
(Note to specifier: Retain or delete building codes listed above as applicable)
- D. NFPA 101 - Life Safety Code

1.05 QUALITY ASSURANCE

- A. Acoustical Firestop System installation must meet requirements of ASTM E-814, UL 1479 and ASTM E-119, UL 263 tested assemblies that provide a fire rating equal to that of construction being penetrated.
- B. Proposed acoustical firestop materials and methods shall conform to applicable governing codes having local jurisdiction.

1.07 SUBMITTALS

- A. Submit Product Data: Manufacturer's specifications and technical data for each material, documentation of UL listing or equivalent and manufacturer's installation instructions.
- B. Submit material safety data sheets provided with product delivered to job-site.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials undamaged in manufacturer's clearly labeled, unopened containers, identified with brand, type, and UL label.
- B. Coordinate delivery of materials with scheduled installation date to allow minimum storage time at job-site.
- C. Store materials under cover and protect from weather and damage in compliance with manufacturer's requirements, including temperature restrictions.
- D. Comply with recommended procedures, precautions or remedies described in material safety data sheets as applicable.
- E. Do not use damaged or expired materials.

1.09 PROJECT CONDITIONS

- A. Do not use materials that contain flammable solvents.
- B. Schedule installation of backer pads after completion of penetrating item installation but prior to covering or concealing of openings.
- C. Verify existing conditions and substrates before starting work. Correct unsatisfactory conditions before proceeding.

Part 2.00 Materials

2.01 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with Wall Opening Protective Materials (*CLIV*) listed in the UL Fire Resistance Directory, provide products of the following manufacturers as identified below:
 - 1. Kinetics Noise Control, Dublin OH 877-457-2695 – Represented by KPA Architectural Products in New England – Contact Keith Peterson (508) 591-7500
 - 2. Provide products from the above acceptable manufacturer; *no substitutions will be accepted.*

2.02 MATERIALS

- A. Use only backer pads that have been UL 1479 or ASTM E-814 tested for specific fire-rated construction conditions conforming to construction assembly type, penetrating item type, and fire-rating involved for each separate instance.
- B. Wall opening protective materials for use with U.L. listed metallic and specified nonmetallic outlet boxes, the following products are acceptable:
 - 1. Kinetics Noise Control Model IsoBacker: Acoustical Fire Rated Outlet Backer Pad

Part 3.00 Execution

3.01 PREPARATION

- A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
 - 1. Verify penetrations are properly sized and in suitable condition for application of materials.
 - 2. Surfaces to which backer pads will be applied shall be free of dirt, grease, oil, rust, laitance, release agents, water repellents, and any other substances that may affect proper adhesion.
 - 3. Do not proceed until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Regulatory Requirements: Install backer pads in accordance with UL Fire Resistance Directory
- B. Manufacturer's Instructions: Comply with manufacturer's instructions for installation of backer pads.
 - 1. Peel off release paper from one side of backer pad
 - 2. Position backer pad on the back side of outlet after electrical wires have been installed
 - 3. Wrap backer pad around entire outlet
 - 4. Peel off release paper from second side
 - 5. If part of outlet still exposed use a second pad to wrap the rest of the outlet

3.03 FIELD QUALITY CONTROL

- A. Examine sealed outlet to ensure proper installation before concealing or enclosing areas.

END OF SECTION