1. Product Description
Metacaulk® BOX GUARD™ is a one component fire rated pad for use in electrical boxes. It is inserted on the inside back wall of an electrical box, and is a highly intumescent firestop material. When exposed to fire, Metacaulk® BOX GUARD™ will expand forming a char that will seal off the opening and prevent the spread of flames and limit the temperature rise on the unexposed surfaces. Metacaulk® BOX GUARD™ is applied by hand, and must comply with NEC 314.16 (formerly 370.16) or other applicable codes. U.S. Patent No. 6,207,085 & 6,252,167.

2. Material Properties
- Asbestos Fillers: None
- Solvents: None
- Hazardous Ingredients: None

Sizes (Approx.)
- Single box: 1 13/16" x 2 13/16" x 1/4" 47 mm X 71 mm x 6 mm
- Double box (two sizes)
  1) 3 11/16" x 3 3/4" x 1/4" 94 mm x 95 mm x 6 mm
  2) 4 3/8" x 4 3/8" x 1/4" 111 mm x 111 mm x 6 mm

- Color: Black

ASTM E 84, UL 723 Tunnel Test
- Flame Spread: 5
- Smoke Index: 5

Sound Transmission Class
- STC Rating: 53*
  *Tested in a UL 411 wall assembly/section to ASTM E90

3. Applications
Use Metacaulk® BOX GUARD™ on inside back panel of electrical boxes to maintain the integrity of fire rated wall assemblies restricting the passage of flames and limiting the temperature rise on the unexposed surfaces. When Metacaulk® BOX GUARD™ is used as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 inches.

4. Installation Instructions
Metacaulk® BOX GUARD™ is easy to install. Make sure rear surface is clean, dry and not contaminated. Remove protective paper from tape and stick pad to inside back wall of electrical box*. Center pad from top and bottom of box. Install switch, or outlet. Use the single pad for a single box (2" x 4"), and double pad for double box 4" x 4", and 4 3/8" x 4 3/8" pad for 4 11/16" x 4 11/16" box. Make sure installation complies with NEC 314.16 (formerly 370.16) or other applicable codes. Consult UL Directory for complete instructions and system listings.

*If necessary, a maximum 3/8" hole may be created or the pad may be slit from one edge to allow easier access to the electrical box ground screw.

5. Testing Data
Metacaulk® BOX GUARD™ is classified by Underwriters Laboratories, Inc. under Wall Opening Protective Material as found in the Fire Resistance Directory. For specific test criteria see UL Fire Resistance Directory or call RECTORSEAL.
Metacaulk® BOX GUARD™ was tested at positive pressure for a minimum .01 inches of water. The basic standard used to investigate products is UL 263/ ASTM E-119, "Fire Tests of Building Construction and Materials".

Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops.

6. Storage & Handling
Metacaulk® BOX GUARD™ should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.

7. Availability
Metacaulk® BOX GUARD™ is available as pads measuring, single 1 13/16" x 2 13/16" x 1/4" (47 mm x 71 mm x 6 mm) and two double pads, one measuring 3 3/4" x 3 11/16" x 1/4" (94 mm x 95 mm x 6 mm) and one measuring 4 3/8" x 4 3/8" x 1/4" (111 mm x 111 mm x 6 mm).

8. Limitations
To be used only in the tested configurations or as recommended by RectorSeal.

9. CAUTIONS
FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300.

PRECAUTIONS: Do not take internally. May be harmful if swallowed. May cause eye and skin irritation if prolonged or repeated contact occurs. Wash after handling. FIRST AID: For any overexposure, get immediate medical attention after first aid is given. Eyes: Flush 15 minutes with clean water. Skin: Wash with soap and water. Ingestion: Only if conscious, give large amounts of water and call physician. FIRE AND SPILLS: Use water fog, CO₂ foam, or dry chemicals. Wipe up spills to prevent footing hazard. Clean up with scrapers and water. STORAGE AND HANDLING: Store away from heat sources. KEEP OUT OF REACH OF CHILDREN.

For additional information, refer to Material Safety Data Sheet.

METRO SUPPLY COMPANY
12 Andrews Drive
Woodland Park, NJ 07424
Telephone: 973-237-1551
Fax: 973-237-1552
Internet: www.metrosupplycompany.com
Email: info@metro-supply-co.com

NOTE: Not to be used on plastic boxes. For additional information refer to UL Directory. Retain a copy of the Product Data Sheet for review by the Inspector.

10. LIMITED WARRANTY
RectorSeal makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RECTORSEAL. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal shall not be liable for incidental or consequential damages.

Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.

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