

# PRODUCT DATA SHEET

February 2005

## Metacaulk® Fire Rated Putty Sticks and Putty Pads

Classified Through-Penetration Fire Stop System Numbers  
CAJ0045, CAJ1200, CAJ1206, CAJ3100 and CAJ3101.



### 1. Product Description

Metacaulk® Putty is a moldable non-curing one component fire-rated material for through-penetration fire stop systems. Metacaulk® Putty will intumesce when heated, forming an insulating char. In the event of a fire, Metacaulk® Putty will prevent the spread of flames, smoke, gas and water through penetration openings. Metacaulk® Putty is applied by hand. Mixing is never required and no special skills are necessary for installation. Metacaulk® Putty systems are rated for up to 3 hours in accordance with the ASTM E 814, UL 1479 and ULC/CAN4-S115-M test standards.

Use Metacaulk® Fire Rated Putty Sticks for various penetrations:

Small Openings, EMT Pipe, Steel, Conduit, and Cabling, (Telephone, Power, Communications) and Electrical Boxes

Use Metacaulk® Fire Rated Putty Pads for:

Outlet Boxes, Electrical Cabinets, and Mechanical Cabinets

### Metacaulk® Putty Features

- \* Possesses intumescent properties; expands when exposed to fire.
- \* No Volatile Solvents, which makes it particularly useful when installing in confined spaces or occupied areas.
- \* Does not have Asbestos Fillers.
- \* A single component putty system; no mixing necessary and no required additives.
- \* DOT Classification is Not Regulated.
- \* Applied by hand.
- \* Easy to install.
- \* Adheres to all common building surfaces.

### 2. Material Properties

Asbestos Fillers	None
Application	By hand
Color	Red
Cure Time	None
Specific Gravity	1.48g/cc

Activation of Intumescence:  
Expansion Begins 220° F

### ASTM E 84, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	15

Putty pads  
**STC Rating 49\***

\*Tested in a UL 411 wall assembly/section to ASTM E90.

### 3. Applications

Use Metacaulk® Fire Rated Putty Sticks to seal around cable, electrical conduit and metal pipe to prevent passage of smoke, flame and toxic gases. Use Metacaulk® Fire Rated Putty Pads to protect metal electrical cabinets, outlet boxes and mechanical cabinets.

### 4. Installation Instructions

#### PUTTY STICKS:

Penetrating items should be firmly anchored. Clean opening of dust, dirt and oil. Refer to RectorSeal® application guide or current UL directory for selection of proper system design detailing depths of putty and backing material.

#### PUTTY PADS:

Remove liner from one side of

pad (Step 1). Align with the side of the box partially overlapping the stud and adhere. Work pad to the opposite side of the box and over the edges (Step 2). If wall membrane is in place, pack putty into gaps between box and gypsum board slightly overlapping inner wallboard surface. If membrane is to be installed after pad installation, overlap front edge of box so that putty will be compressed around edges of box as wallboard is installed. Cut slits in pad to fit around conduit or cables (Step 3). Press pad to surface of top, bottom, and sides of box (Step 4). Trim excess at corners and apply to conduit fittings connected to the box. Remove exposed liner. Optionally, putty may be packed into inside of conduit fittings to prevent passage of smoke. Only one putty pad thickness (1/8") is needed for a 1 or 2 hour rating.

## 5. Testing Data

Metacaulk® Fire Rated Putty Sticks are classified by Underwriters Laboratories, Inc. as a fill, void or cavity material. Metacaulk® Fire Rated Putty Pads are classified as a wall

opening protective material. For specific test criteria see UL Fire Resistance Directory or call RECTORSEAL.

Metacaulk® Fire Rated Putty was tested at a minimum 0.01 inch of water, positive pressure in accordance with UL 1479, ASTM E 814 and CAN4-S115-M. The following UL system numbers have been established: CAJ-0045, CAJ1200, CAJ1206, CAJ3100 and CAJ3101.

## 6. Storage & Handling

Metacaulk® Fire Rated Putty is not to be stored in areas where the temperatures exceed 120°F or drop below 0°F. Best if protected from freezing. If freezing occurs, thaw completely before using. Keep products dry and stored under protective cover in their original containers. Products have a minimum shelf life of 2 years subject to re-inspection thereafter. A stock rotation program is recommended.

## 7. Availability

Moldable Fire Rated Putty Sticks available in 1 1/2 inches diameter by 10 inches long (18 cubic inches).

Moldable putty pads are 6 inches by 7 inches by 1/8 inch

thick and 7 inches by 7 inches by 1/8 inch.

## 8. Limitations

Do not expose to water.

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

For additional information, refer to Material Safety Data Sheet

### For additional technical service,

**call: 713-263-8001 or  
1-800-231-3345  
Fax: 713-263-7577 or  
1-800-452-2824**

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## 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.