

# PRODUCT DATA SHEET

## Metacaulk® MC150+ Firestopping Sealant

March 2012



Classified System Numbers

CAJ 2348, CAJ 3134, FC 8007, WL 1253, WL 2262, WL 1144, WL 1140, WL 3108, WJ 1109, WJ 2088, HWD 0197, WWD 0028

### 1. Product Description

Metacaulk® MC 150+ is a one component, general purpose fire rated sealant and smoke seal for construction joints and through-penetrations. Metacaulk® MC 150+ is a water based, non-sag caulking grade sealant that is easy to apply as well as to retrofit. It cures to an elastomeric seal that is suitable where dynamic movement is expected. In the event of a fire, Metacaulk® MC 150+ will prevent the spread of flames, smoke, hot gases and water through joint openings and through-penetrations. No dilution or mixing is required for use. No special skills are necessary for installation. Metacaulk® MC 150+ is applied with a conventional caulking gun, bulk loading gun or can be troweled from the pail. For large applications, it can be pumped directly from the pail. Metacaulk® MC 150+ systems are rated for 1 and 2 hours in accordance with ASTM E814 (UL1479) and ASTM E1966 (UL 2079) test standards. **MC 150+ is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.**

Use Metacaulk® MC 150+ for various applications:

Top of the Wall Construction Joints  
Deflection Track Wall Systems  
Up to 2" (51 mm) PVC & ABS (Closed)  
Steel, Copper, Cast Iron and EMT Pipe  
Telephone, Communication and Power Cables

For a complete list of product applications or for additional technical information, call RECTORSEAL for the latest information.

### Metacaulk® MC 150+ Features

- Water Based
- Excellent Freeze-Thaw
- Flexible Set
- Paintable
- VOC Compliant
- Safe and Easy to Use
- Minimum 2 Year Shelf Life
- Intumescent

### 2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Application	Caulking Gun or Trowel
Color	Red
Cure Time	3to4weeks (at 77°F/ 25°C)
Density	12.5+/-0.5 lbs./gal.
Elastomeric	Yes
Freeze-Thaw	Excellent
Skin Over Time 25°C)	30 min. (at 77° F/
pH Value	7 to 8
Volume Coverage:	
for 10.3 oz. tube (304ml)	18 cu. in. (295 cm³)

for 5 gallon (18.9 liter) 1155 cu. in.  
(18,927 cm³)

VOC Negligible

### ASTM E 84, UL 723 Tunnel Test

Flame Spread	10
Smoke Index	0

### Sound Transimission Class STC Rating 51\*

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

### 3. Applications

Metacaulk® MC 150+ can be used in interior applications as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces. Metacaulk® MC 150+ is also an excellent fire rated acoustical sealant and can be used in areas under constant vibration or movement. Metacaulk® MC 150+ can also be used on various penetrations such as EMT, telephone & power cables in concrete floors and walls, gypsum walls as well as wood floors. Use Metacaulk® MC 150+ to prevent the spread of fire and smoke through joints in fire rated gypsum wallboard partitions, concrete block or concrete walls and/or concrete or corrugated steel deck floor/ceiling assemblies.

### 4. Installation Data

Install Metacaulk® MC 150+ using standard caulking techniques or trowel from pails. Metacaulk® MC 150+ may also be pumped from the pails. When damming materials are needed, use only materials approved for the specific application.

## TYPICAL GYPSUM WALLBOARD INSTALLATION

### Step 1)

Cut opening in wall.

### Step 2)

Clean penetration opening and surfaces from loose debris, dirt, oil and wax.

### Step 3)

If required, install sleeve or wire mesh and backing material.

### STEP 4)

Gun the sealant as required to the specified depth. Trowel surface flush with wall.

(Application designs vary, please contact RectorSeal for exact details.)

Consult UL Directory for complete instructions and system listings.

## 5. Testing Data

For specific test criteria, refer to UL's Fire Resistance Directory or call RECTORSEAL.

Metacaulk® MC 150+ was tested at positive pressure with a minimum 0.01 (2.5 Pa) inches water and in accordance with ASTM E814 (UL 1479) and ASTM E1966 (UL 2079).



FBC System Compatible\* indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings.

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## 6. Storage & Handling

Metacaulk® MC 150+ should be stored between 35°F (2°C) and 120° F (49° C) to obtain a minimum 2 year shelf life. NOTE: Do not dilute, no mixing is required. Best if protected from freezing. If freezing occurs, thaw completely before using. Keep products stored under protective cover in original containers.

## 7. Availability

Metacaulk® MC 150+ is available in 10.3 oz. (304 ml) and 30 oz. (887 ml) caulking tubes, 20.2 oz. (597 ml) sausage packs and in 5 gallon (18.9 L) pails.

## 8. Limitations

Metacaulk® MC 150+ is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk® MC 150+ should not be used against hot uninsulated surfaces above 300° F (149° C).

## 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. **Inhalation-**Remove to fresh air. **Ingestion-**Only if conscious, give large amounts of water and INDUCE VOMITING. **FIRE AND SPILLS:** Use water fog, CO<sub>2</sub>, 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 container closed. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Material Safety Data Sheet.

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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.