

# PRODUCT DATA SHEET

## Metacaulk® 350i Firestopping Sealant

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Classified System Numbers CAJ 1541, CAJ 1542, CAJ 1543, CAJ 1544, CAJ 2550, CAJ 2551, CAJ 2552, CAJ 2553, CAJ 2554, CAJ 2555, CAJ 2556, CAJ 3256, CAJ 5296, CAJ 5297, CAJ 7112, CAJ 8175, FA 1070, FC 1138, FC 1139, FC 2326, FC 2327, FC 2329, FC 3092, FC 5074, FC 5075, FC 7038, FC 8039, WJ 1194, WJ 1195, WJ 2195, WJ 2196, WJ 2197, WJ 2198, WJ 5128, WJ 5129, WJ 5130, WJ 7078, WJ 7079, WL 1393, WL 1394, WL 1395, WL 1396, WL 2455, WL 2456, WL 2457, WL 2458, WL 3294, WL 5294, WL 5250, WL 5451, WL 5252, WL 7137, WL 7138



### 1. Product Description

Metacaulk® 350i is a one component, general purpose fire rated sealant and smoke seal for construction joints and through-penetrations. Metacaulk® 350i is a water based, extremely intumescent, 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® 350i 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® 350i 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® 350i systems are rated for 1, 2 and 3 hours in accordance with the ASTM E814 (UL1479), UL 2079 and ULC-S115-95 test standards. **Metacaulk® 350i is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.**

Use Metacaulk® 350i for various applications:

- Top of the Wall Construction Joints
- Deflection Track Wall Systems
- Up to 2" (51 mm) PVC (Open)
- Crosslinked Polyethylene (PEX) tubing
- Steel, Copper, Cast Iron and EMT Pipe
- Flexible Conduit
- Fiberglass Insulated Pipe
- Armaflex Insulated Pipe
- Telephone, Communication and Power Cables
- HVAC Ductwork

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

### Metacaulk® 350i Features

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

### 2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None

Application	Caulking Gun or Trowel
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Activation of Intumescence:

Expansion Begins	375° F (190°C)
Expansion Greatest	575° (302°) to 1100° F (593° C)

Color	Dark Red
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Fully Cured Time	3 to 4 weeks (at 77°F/ 25°C)
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Density	10.5 +/- 0.5 lbs./gal. 1.25 g/cc
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Elastomeric	Yes
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Freeze-Thaw	Excellent
Skin Over Time	30 min. (at 77° F/ 25°C)

pH Value	6.5 to 7
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Volume Coverage:	
for 10.3 oz. tube (304ml)	18 cu. in. (295 cc)
for 5 gallon (18.9 liter)	1155 cu. in. (5000 cu. cm/L)

VOC	Negligible
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### ASTM E 84, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	10

STC 53\*

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

### 3. Applications

Metacaulk® 350i 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® 350i is also an excellent fire rated acoustical sealant and can be used in areas under constant vibration or movement. Metacaulk® 350i can also be used on various penetrations such as EMT, telephone & power cables, insulated pipes, etc. in concrete floors and walls, gypsum walls as well as wood floors. Use Metacaulk® 350i 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.