

PRODUCT DATA SHEET

Metacaulk® 950 Firestopping Sealant

Classified Through-Penetration Firestop System Numbers CAJ-1035, CAJ-1036, CAJ-1038, CAJ-1039, CAJ-1051, CAJ-1076, CAJ-1114, CAJ-2015, CAJ-3026, CAJ-3027, CAJ-5011, CAJ 5084 and CAJ-8010, CAJ-1186; WJ-1007, WJ-1008, WJ-1013, WJ-1019, WJ-2005 and WJ-8001; WL-1013, WL-1014, WL-1024, WL-1025, WL-1026, WL-1035, WL-1040, WL-2014, WL-3013, WL-1075, WL-3014, WL-5056, WL-1074 and WL-8001

June 2011



1. Product Description

Metacaulk® 950 is a one component fire-rated sealant for through-penetration fire stop systems. In the event of a fire, Metacaulk® 950 will prevent the spread of flames, smoke, gas and water through penetration openings. It is formulated with incombustible inorganic materials, therefore Metacaulk® 950 will not create smoke or toxic gases when exposed to fire. Metacaulk® 950 is to be used for interior applications only. It cannot be used in areas where there is continuous vibration on the through-penetration opening where wet conditions exist or may occur, or where there are continuous temperatures above 120° F (49° C). Metacaulk® 950 is applied with a conventional caulking gun or troweled from pails. For large applications, it can be pumped from special straight sided pails. Metacaulk® 950 is a non-slumping sealant that sets to form a hard, yet retrofittable surface and can be used to seal static construction joints. Mixing is never required and no special skills are necessary for installation. Metacaulk® 950 systems are rated for 1, 2 and 3 hours in accordance with the ASTM E 814 (UL 1479) and ULC CAN 4-S115M test standards. **Metacaulk® 950 is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.**

Use Metacaulk® 950 for various penetrations:

Large Openings

- PVC/CPVC Pipe (Closed Only)
- Other Types of Plastic Pipe
- EMT, Semi-Rigid, and Rigid Conduit
- Steel, Copper, and Aluminum Pipe
- Multiple Pipes, Conduit, and Cable
- Steel and Copper Pipes with Insulation
- Telephone, Power, Romex Cable
- Static Construction Joints

This list of penetration material diameters vary from 1/4" (6 mm) to 21"(533 mm). Call RECTORSEAL for the latest updated information.

Metacaulk® 950 Features

- * Inorganic and has No Volatile Solvents which makes it particularly useful when installing in confined spaces or occupied areas.
- * Does not have Asbestos Fillers.
- * A single component penetration sealant system, no mixing necessary and no required additives.
- * D O T Classification is Not Regulated.
- * Applied with a conventional caulking gun, trowel or with pumping equipment.
- * An easy installation sealant with water clean up capabilities.
- * A general purpose and accoustical fire stop sealant.

2. Material Properties

Asbestos Fillers	None
Application	Standard
	10.3 oz (304 ml)
Color	Cream
Cure Time	21 days
Density	15.3 lbs/gal
	1.83 kg/L
Elastomeric	No

ASTM E 84, UL 723 Tunnel Test

Flame Spread Index	0
Smoke Index	10
Freezing Temperature	30° F (-1° C)
Glass Transition Temperature	±2000° F (1093° C)
Corrosion Cracking	
NRC 1.36	Pass
Skin Over Time	2 min.
Tack Free Time	
TTS-230-C	Pass
pH Value	13.5

Volatile Solvents	None
Volume Coverage	
cu in/10.3 oz. tube	18, (295 cc)
cu in/lb (cu cm/kg)	15.1, (545)
cu in/gal (cu cm/L)	231, (1000)
Working Time	30 min.
Sound Transmission Class	
STC	52*

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

3. Applications

Use Metacaulk® 950 exclusively for interior conditions. Because Metacaulk® 950 is water soluble it is not suitable for exterior or wet area use. See applications for Metacaulk® 835+ for exterior or wet conditions. Metacaulk® 950 is a general purpose fire stop sealant for electrical, plumbing, plastic pipe and telephone communication systems penetrations. Use in vertical and horizontal applications, and for bedding and sealing small voids, splices and gaps. Metacaulk® 950 is also an excellent fire rated acoustical sealant, and can be used around electrical outlets and non-vibrating construction joints. Use Metacaulk® 950 to prevent the spread of fire through fire rated gypsum wallboard partitions, concrete block or concrete walls and/or concrete or wood floors. Consult application data for specific aluminum alloys before using Metacaulk® 950 with aluminum pipe.

4. Installation Data

Install Metacaulk® 950 using standard caulking techniques or trowel from pails. For large applications, pump it from special straight sided pails. When damping material is needed, inexpensive cardboard or backer rod can be used. Prior to use, products should be brought to room temperature or 70° F (21° C) whichever is greater.

TYPICAL GYPSUM WALLBOARD INSTALLATION

- Step 1)** Cut opening in floor or wall.
- Step 2)** Clean penetration opening and surfaces of loose debris, dirt, oil and wax.
- Step 3)** Install wire mesh if required. Form wire mesh into cylinder to match hole diameter. Slip wire mesh inside wall along penetrating item and allow mesh to spring back against hole.



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Step 4) Install backing material if required.

Step 5) Gun, trowel or pump the sealant as required to the specified depth. Trowel surface flush with wall. Consult UL Directory for complete instructions and system listings.

5. Testing Data

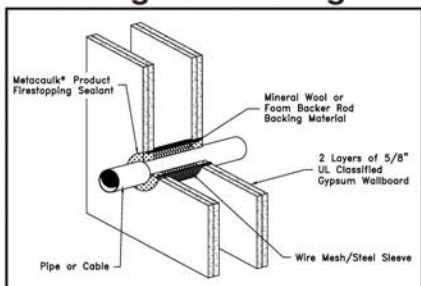
Metacaulk® 950 is Classified by Underwriters Laboratories Inc. as a Fill, Void, or Cavity Material and is Listed by Warnock Hersey International, Inc. For specific test criteria, see UL Fire Resistance Directory and Warnock Hersey International Listings Directory or call RECTORSEAL.

Metacaulk® 950 was tested at a minimum 0.01 inches (2.5 Pa) water, positive pressure, in accordance with ASTM E 814 and UL 1479 test standards.

Through-Penetration Fire Stop, UL System Numbers WJ-1007, WJ-1008, WJ-1013, WJ-1019, WJ-2005, WJ-8001, WL-1013, WL-1014, WL-1024, WL-1025, WL-1026, WL-1035, WL-1040, WL-1074, WL-1075, WL-2014, WL-3013, WL-3014, WL-5056 and WL-8001 are for use in gypsum wallboard with steel or wood studs or for use in concrete block or concrete slab wall construction. UL System Numbers CAJ-1035, CAJ-1036, CAJ-1038, CAJ-1186, CAJ-1039, CAJ-1051, CAJ-1076, CAJ-1114, CAJ-2015, CAJ-3026, CAJ-3027, CAJ-5011, CAJ5084 and CAJ-8010 are for solid concrete or concrete block walls and concrete floor construction. WHI System Numbers TRC/PH 60-01 and TRC/PH 60-02 are for wood floor construction.

Sound Transmission Class (STC) calculated in accordance with ASTM 413-73.

6. Storage & Handling



Metacaulk® 950 is not to be stored in areas where temperatures exceed 100° F(38° C) or drop below 35°F (2° C). If freezing occurs, thaw completely before use. Keep products stored under protective cover, in its original containers. Product has a minimum shelf life of 2 years, subject to re-inspection thereafter. A stock rotation program is recommended.

7. Availability

Metacaulk® 950 is available in: 10.3 oz. (304 ml).

8. Limitations

Metacaulk® 950 cannot be used in areas where there is continuous vibration on the through-penetration opening, where wet conditions exist or may occur or where there are continuous temperatures above 120°F (49° C). Metacaulk® 950 is not suitable for exterior or wet area use. Consult application data for specific aluminum alloys before using Metacaulk® 950 with aluminum pipe.

9. CAUTIONS

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

CONTAINS: Alkaline silicate and ceramic fibers. **PRECAUTIONS:** Do not take internally. May cause eye, skin, and respiratory tract irritation. Wear gloves and safety glasses. Wash after handling. **FIRST AID:** For any overexposure or if skin irritation develops, get immediate medical attention after first aid is given. **EYES** - Flush for 15 minutes with clean water. **SKIN** - Wash with soap and water. Do not use solvents to remove from skin. **INHALATION** - Remove to fresh air. **INGESTION - DO NOT INDUCE VOMITING. SPILLS** - Clean up immediately with scrapers and water. **STORAGE AND HANDLING** - Keep container upright and tightly closed. Do not reuse container. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Material Safety Data Sheet

For additional technical service,

call: 1-800-231-3345

Fax: 1-800-452-2824

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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MSDS 0140

MATERIAL SAFETY DATA SHEET

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Metacaulk 950	HMIS CODES	
		Health	1
		Flammability	0
		Reactivity	0
		PPI	B
PRODUCT CODES	66002, 66003, 66005, 66007, 66009, 66643		
CHEMICAL FAMILY	Organic/Inorganic		
USE	Firestopping Sealant		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800)424-9300 USA	
		001-527-3887 International	
DATE OF VALIDATION	March 20, 2011	TECHNICAL SERVICE TELEPHONE NO.	
DATE OF PREPARATION	March 20, 2011	(800)231-3345 or (713)263-8001	

Section 2 -- HAZARDS IDENTIFICATION

GHS CLASSIFICATION
 PHYSICAL HAZARDS: None
 HEALTH HAZARDS
 Acute Toxicity:
 Oral: Not Classified
 Dermal: Not Classified
 Inhalation: Not Classified
 Skin Corrosion/Irritation: Not Classified
 Serious Eye Damage/Eye Irritation: Not Classified
 Respiratory or Skin Sensitization: Not Classified
 Germ Cell Mutagenicity: Not Classified
 Carcinogenicity: Not Classified
 Reproductive Toxicology: Not Classified
 Target Organ Systemic Toxicity - Single Exposure: Not Classified
 Target Organ Systemic Toxicity - Repeated Exposure: Not Classified
 Aspiration Toxicity: Not Classified

ENVIRONMENTAL HAZARDS
 Hazardous to the Aquatic Environment: Not Classified
 Acute aquatic toxicity: Not Classified
 Chronic aquatic toxicity: Not Classified
 Bioaccumulation potential: Not Classified
 Rapid degradability: Not Classified

GHS Label elements, including precautionary statements
 Pictogram: None
 Signal Word: None
 Hazard Statements: None
 Precautionary Statements:
 P102 - Keep out of reach of children.
 P264 - Wash hands thoroughly after handling.

Classification according to EU Directives 67/548/EEC or 1999/45/EC
 LABELING SYMBOLS: None
 RISK R-PHRASES: NONE
 SAFETY S-PHRASES:
 S2 : Keep out of the reach of children.

SUMMARY OF ACUTE HAZARDS
 May cause skin irritation.
 ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS
 INHALATION
 Not a respiratory irritant.
 EYE CONTACT
 Contact may cause eye irritation.
 SKIN CONTACT
 Contact may cause skin irritation.
 INGESTION
 Possible irritation to mucous membranes of the mouth, throat, and stomach.
 SUMMARY OF CHRONIC HAZARDS
 None known.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE



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Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer.

 Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Sodium Silicate
 PERCENTAGE BY WEIGHT: --
 CAS NUMBER: 1344-09-8
 EC# : 239-981-7

Section 4 -- FIRST AID MEASURES

If INHALED: Not a respiratory irritant.
 If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention.
 If in EYES: Immediately flush with large amounts of water. If irritation occurs, seek medical attention.
 If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
 Foam, dry chemical, carbon dioxide or water fog.
 SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat may build up and rupture closed containers.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 35 F.
 OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers.
 KEEP OUT OF REACH OF CHILDREN.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	UNITS
Sodium Silicate	
CAS NUMBER: 1344-09-8	
ACGIH TLV	N/D ppm
OSHA PEL	N/D ppm

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.
 VENTILATION - LOCAL EXHAUST: Acceptable
 SPECIAL: N/A
 MECHANICAL (GENERAL): Preferable
 OTHER: N/A
 PROTECTIVE GLOVES: Wear rubber gloves.
 EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)
 OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.
 WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	212 F (100 C) @ 760mm Hg
SPECIFIC GRAVITY (H2O = 1):	1.89
VAPOR PRESSURE (mm Hg):	17 @ 68 F (20 C)
MELTING POINT:	N/A
VAPOR DENSITY (AIR = 1):	N/A
EVAPORATION RATE (ETHYL ACETATE = 1):	>1
APPEARANCE/ODOR:	Cream Color/Mild Odor
SOLUBILITY IN WATER:	Soluble
VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight):	<1% or <10 g/L
FLASH POINT	None
LOWER EXPLOSION LIMIT	None



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UPPER EXPLOSION LIMIT None

 Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable
 CONDITIONS TO AVOID: None
 INCOMPATIBILITY (MATERIALS TO AVOID): None known.
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.
 HAZARDOUS POLYMERIZATION: Will not occur.

 Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA
 Ingredient Name

Sodium Silicate
 Oral-Rat LD50:1153 mg/kg
 Inhalation-Rat:N/D

 Section 12 -- Ecological Information

ECOLOGICAL DATA
 Ingredient Name

Sodium Silicate
 Food Chain Concentration Potential N/D
 WATERFOWL TOXICITY N/D
 BOD N/D
 AQUATIC TOXICITY 2320 ppm/96 hr/mosquito fish/TLm

 Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated solid waste
 Disposal Method: Approved landfill
 Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

 Section 14 -- TRANSPORTATION INFORMATION

DOT: Non-Regulated
 OCEAN (IMDG): Non-Regulated
 AIR (IATA): Non-Regulated
 WHMIS (CANADA): Non-Regulated

 Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
 Ingredient Name

Sodium Silicate
 SARA 313 No
 TSCA Inventory Yes
 CERCLA RQ N/A
 RCRA Code N/A

 Section 16 -- OTHER INFORMATION

LABELING SYMBOLS: None
 RISK R-PHRASES: None
 SAFETY S-PHRASES:
 S2 : Keep out of the reach of children.

 This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001



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