RECTORSEAL

A CSW Industrials Company

METACAULK® SAS SMOKE & ACOUSTIC
High-grade acrylic latex sealant

Description

Metacaulk Smoke and Acoustic Sealant is high-grade acrylic latex sealant formulated to provide a permanent seal for penetrations, membrane openings, and static or dynamic joints in smoke or sound rated assemblies.

Metacaulkl Smoke and Acoustic Sealant has been tested in accordance to the following standards: ASTM E84, ASTM E90, ASTM E1399, ASTM C834, ASTM G21 and tested for air leakage in accordance to modified UL 1479 and modified UL 2079.

Metacaulk Smoke and Acoustic Sealant meets the requirements for LEED criteria under Environmental Air Quality and Regional Materials. Metacaulk Smoke and Acoustic Sealant is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

Applications

Metacaulk Smoke and Acoustic Sealant is designed to be used in interior applications to prevent the passage of smoke and impede the transfer of sound in non-fire rated assemblies. Metacaulk Smoke and Acoustic Sealant may be used in vertical and horizontal assemblies in linear joints in walls or floors. Metacaulk Smoke and Acoustic Sealant can also be installed around pipe, conduit, electrical cable, ventilation duct, electrical boxes and any other through or membrane penetration in a non-fire rated vertical or horizontal assembly.

USES:

Smoke: Prevents the passage of smoke through walls or floors as required in smoke partitions.

Sound: Reduces the passage of sound through voids created in walls in accordance with ASTM E90.

Airborn Particles: Reduces the movement of materials carried by air such as dust and allergens as demonstrated in air leakage testing modified UL 1479 and modified UL 2079.

Use Metacaulk Smoke and Acoustic Sealant for various applications:

Metallic and nonmetallic pipes, outlet and receptacle boxes, membrane penetrations, head of wall, bottom of wall, wall to wall joints

Characteristics | Features

• Highest STC rating in market*
• Easy to dispense
• Flexible
• Low VOC
• Meets LEED criteria
• Water clean up
• Paintable

* tested to E90 standards as a smoke sealant

Packaging

Code	Size	Qty. per Case	Dimensions (in)	Cubic Feet
66650	5 gal. spray grade	1	13x14 dia	1.08
66652	20.2 oz foil pack	12	9x14x7	.51

Installation Data

Install Metacaulk Smoke and Acoustic Sealant Caulk Grade with standard latex caulking tools and methods. Use only approved backing material when needed.
For Metacaulk Smoke and Acoustic Sealant Spray Grade application, use recommended Sealant Spray Grade equipment. Contact Technical service at 1-800-231-3345 or 713-263-8001 for current recommendations.
NOTE: SPRAY EQUIPMENT CAN BE DANGEROUS! USE ONLY PROPERLY TRAINED PERSONNEL. FOLLOW ALL SAFETY AND OPERATION INSTRUCTIONS AND PROCEDURES.

TYPICAL TOP OF WALL INSTALLATION

Linear Joint

Step 1 Thoroughly clean joint opening to remove all loose material to allow for Metacaulk Smoke and Acoustic Sealant to be easily installed.

Step 2 Gun, trowel or pump sealant to required depth and tool to be flushed with surface of wall or floor or spray or brush with appropriate equipment to required depth creating a complete seal.

Penetration

Step 1 Thoroughly clean opening around penetrating pipe, conduit, duct or other miscellaneous item to allow for Metacaulk Smoke and Acoustic Sealant to be easily installed.

Step 2 Gun, trowel or pump sealant to required depth and tool to be flush with surface of wall or floor or spray or brush with appropriate equipement to required depth creating a complete seal.

Consult RectorSeal for complete instructions and system listings.

Testing Data

For specific test criteria call RectorSeal.

Tested in accordance to the following standards:

ASTM E84, ASTM E1399, ASTM E90, ASTM C834, modified UL 1479*, modified UL 2079*

Tested by a third party independent laboratory to the ASTM G21 standard with Fungal Growth Rating results of zero.

* tested for air leakage at ambient temperature
Class II and III movement capability +-33% (tested to ASTM E1399)

Sound Transmission Class (STC) 69 - The test was performed in accordance with ASTM E90, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

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

L rating > 1 cfm cu. ft.

Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	<1%
Application	Caulking Gun or Trowel
Application Temperature between	40˚F - 120˚F 4˚C - 49˚C

Activation of Intumescence:	
Color	White
Density	Caulk 11.1 lbs./gal 1.33 kg/L Spray 10.9 lbs/gal 1.31 kg/L
Elastomeric	Yes
Freeze/Thaw	Excellent
Skin Over Time	30 min. (at 77˚F/25˚C)
pH Value	6.5 to 8

Volume Coverage:	
for 20.2 oz. foil packs	36 cu. in. (597 ml)
for 5 gallon	1155 cu. in. (18.9 liter)
VOC	< 0.5 mg/m3

TVOC 44.6 (µgm−3) per CDPH Standard Method V1.2, CA Section 01350. Test Results Pass Private Office (PO) & School Classroom (SC)

ASTM E 84, UL 723 Tunnel Test	
Flame Spread	0
Smoke Index	5

Inspection & Repair

RectorSeal recommends firestop system inspection is conducted during installation of the material in accordance with ASTM E2174 and ASTM E2393. In the event post-installation inspection and destructive sampling is necessary, RectorSeal advises repairing the damaged firestop system by replacing any material that was removed or damaged with the same product originally installed, and ensuring the assembly matches the original firestop listing. RectorSeal advises, that due to the chemical nature of firestop products and sealants, material depth should be determined by measuring the points of adhesion at the substrate bond area as sealants may decrease in size during the curing process.

Storage & Handling

Metacaulk Smoke and Acoustic Sealant should be stored between 35˚F (2˚C) and 120˚ F (49˚ C). to obtain a minimum 2 year shelf life, subject to inspection. NOTE: Do not dilute, no mixing is required. Keep from freezing. Keep products stored under protective cover in original containers.

Limitations

Metacaulk Smoke and Acoustic Sealant is not designed to be used in fire rated assemblies, conditions that are immersed in water or continuously wet. Metacaulk Smoke and Acoustic Sealant application temperature range is 40ºF to 120ºF and should not be installed on un-insulated surfaces that exceed 120ºF degrees.

Cautions

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

Refer to Safety Data Sheet (SDS)

KEEP OUT OF REACH OF CHILDREN.

Limited Warranty

INTERNATIONAL FIRESTOP COUNCIL
THE Source of Firestop Expertise®
MEMBER