

metacaulk®

FIRESTOP SOLUTIONS

We draw the line at fire and smoke penetration.

metacaulk.com

Leading the industry in quality, warranty and support.



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FIRESTOP SOLUTIONS

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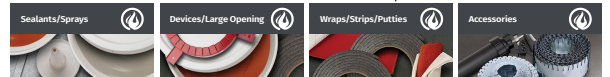


- Advanced Firestop Solutions
- Complete Firestop Product offering



RectorSeal, a global leader in the life safety and passive fire protection industry.

FIND IT ALL. FIND IT FAST. WWW.METACALK.COM



Full online web resource

Experience why we are a global leader in firestop technology with our user friendly platform. Quick and easy access to our comprehensive portfolio and technical resource library.

UL System Selector

Designers can select the most appropriate system to best meet their specification or field conditions.



Third Holy Mosque Expansion Project

International reach

Take advantage of our many years of experience with a Metacaulk firestop specialist, who are available for training, demonstrations and consultancy throughout the complete project.



Advanced testing

Through biotech and technological advancement of materials and devices, Metacaulk strives to exceed fire containment accreditation standards worldwide.

Our on-site fire test laboratory

is engaged in all phases of fire endurance testing and evaluates product performance per ASTM E814 (UL 1479) and ASTM E1966 (UL 2079) standard test methods, including air and water leakage testing. On-site testing speeds development of new products and UL systems and provides the flexibility to quickly respond to customer needs.



RS Academy

Self-directed e-learning courses for the firestop trades. Access free and unlimited expert-led courses anytime on your own schedule and desired platform. Additionally, you will receive customized course recommendations and a certificate of completion for each finished course. Our course catalog will be updated with new and improved courses frequently. Sign-up today! rectorseal.com/academy.

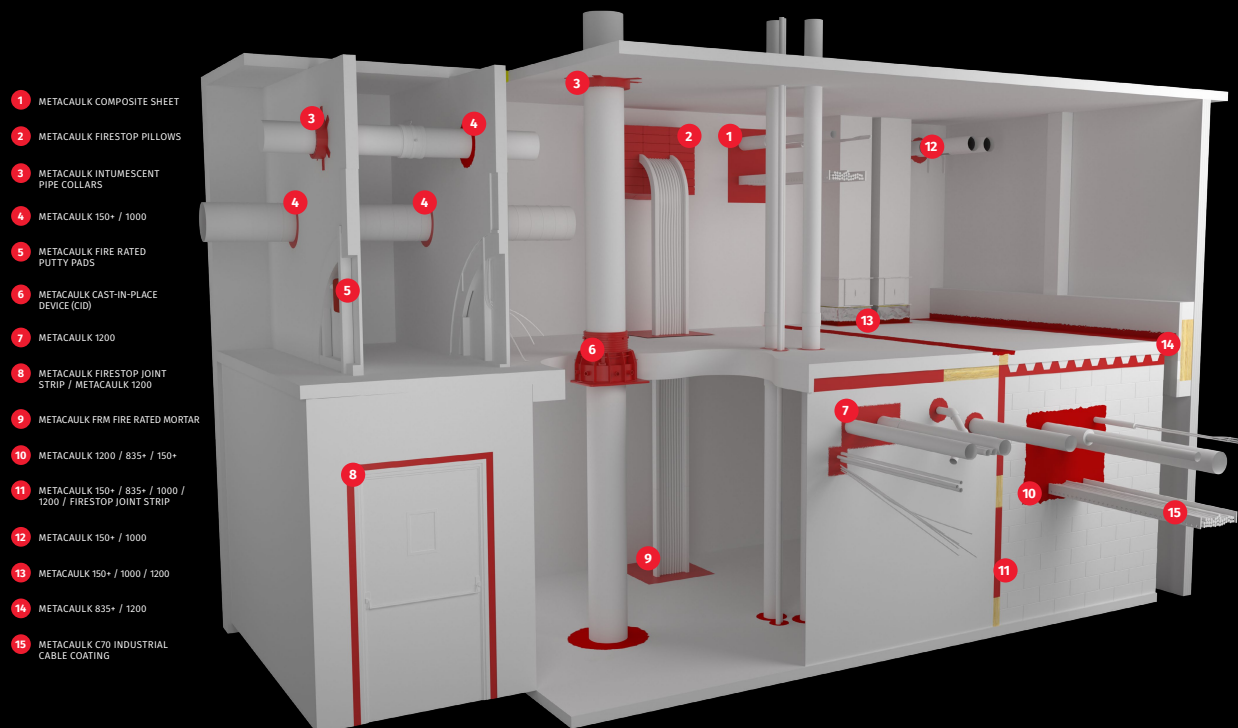


Contact: RectorSeal® 713-263-8001 | 800-231-3345 713-263-7577 | 800-441-0051 rectorseal.com

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metacaulk® FIRESTOP SOLUTIONS

Metacaulk products provide reliable and long-lasting protection against the spread of Fire, Smoke and Toxic Gasses in buildings, making them a trusted and dependable brand in the construction industry.



- 1 METACALK COMPOSITE SHEET
- 2 METACALK FIRESTOP PILLOWS
- 3 METACALK INTUMESCENT PIPE COLLARS
- 4 METACALK 150+ / 1000
- 5 METACALK FIRE RATED PUTTY PADS
- 6 METACALK CAST-IN-PLACE DEVICE (CID)
- 7 METACALK 1200
- 8 METACALK FIRESTOP JOINT STRIP / METACALK 1200
- 9 METACALK FRM FIRE RATED MORTAR
- 10 METACALK 1200 / 835+ / 150+
- 11 METACALK 150+ / 835+ / 1000 / 1200 / FIRESTOP JOINT STRIP
- 12 METACALK 150+ / 1000
- 13 METACALK 150+ / 1000 / 1200
- 14 METACALK 835+ / 1200
- 15 METACALK C70 INDUSTRIAL CABLE COATING

PERFORMANCE

All products undergo rigorous testing and certification by independent third-party agencies, such as UL and FM, ensuring they meet or exceed industry standards for fire resistance and smoke control.

VERSATILITY

Metacaulk systems offer a holistic approach to firestop applications, however, where field conditions differ, Metacaulk can support with structured engineered solutions.

EASY TO INSTALL

Metacaulk products & systems offer major advantages for the installer with economical and reliable solutions.



Meeting and Exceeding Firestop Standards with Confidence

Quality and life safety are paramount to RectorSeal, investing much time, effort and resources to achieve these objectives.

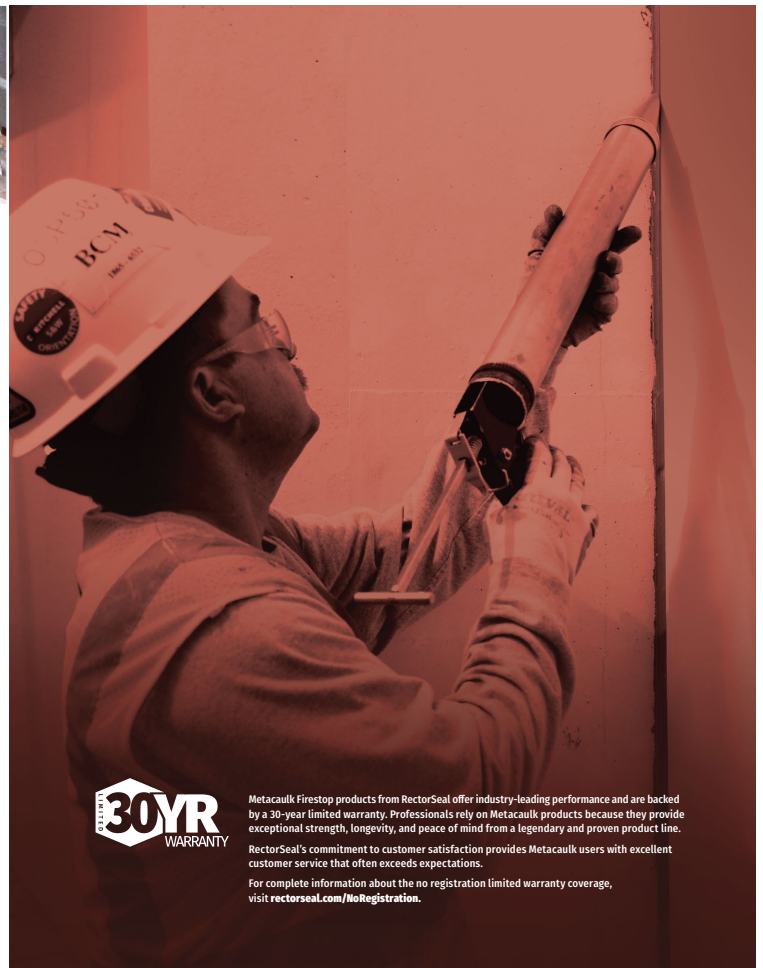
RectorSeal is committed to ensuring that all Metacaulk firestop products and systems meet or exceed the most stringent industry standards and testing. With our on-site fire test laboratory designated by UL under their Witness Test Data Program, we engage in all phases of fire endurance testing to evaluate product performance and durability making sure our products and systems remain at the forefront of our customer needs.

Metacaulk® Products have been tested to and assessed by one or more of the standards below:

- ASTM E84 (UL 723) – Surface Burning Characteristics of Building Materials
- ASTM E90 – Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E119 (UL 263) – Fire Tests of Building Construction and Materials Time Temperature Curve
- ASTM E814 (UL 1479) (CAN4-S115M) – Fire Tests of Through-Penetration Firestops
- ASTM E1966 (UL 2079) (CAN4-S115M) – Test Method for Fire Resistive Joints
- ASTM E1399 – Cyclic Movement and Measuring The Minimum Joint Widths of Architectural Joint Systems
- ASTM E2307 – Standard Test Method for Determining The Fire-Resistance of Perimeter Fire Barriers Using The Intermediate-Scale, Multi-Story Test Apparatus
- ASTM E662 – Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
- ASTM E162 – Standard Test Method for Surface Flammability of Materials Using A Radiant Heat Energy Source
- CAN/ULC S115, S101 and S102 – Standard method of fire test of firestop systems

Certifications and Approvals by one or more of the Listing Agencies below:

- UL is a global leader in testing, inspection, certification, auditing and validation
- FM (Factory Mutual) is an international leader in third-party certification and approval of commercial and industrial products
- Intertek is a leading Total Quality Assurance provider to industries worldwide
- 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® piping systems and products made with TempRite® Technology
- Clean Air Gold Certifies products for low chemical emissions



30YR
WARRANTY

Metacaulk Firestop products from RectorSeal offer industry-leading performance and are backed by a 30-year limited warranty. Professionals rely on Metacaulk products because they provide exceptional strength, longevity, and peace of mind from a legendary and proven product line.

RectorSeal's commitment to customer satisfaction provides Metacaulk users with excellent customer service that often exceeds expectations.

For complete information about the no registration limited warranty coverage, visit rectorseal.com/NoRegistration.



METACALK FIRESTOP SEALANTS

Metacaulk® 150+

General Purpose Firestop Sealant



- FEATURES**
- Flexible cure
 - Non sag
 - Freeze-thaw capabilities
 - Mold inhibitor
 - VOC compliant - CDPH Standard Method v1.2
 - STC rating 65
 - 3 year shelf life
 - Tested I.A.W ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E1399, CAN/ULC-S115, S101, S102, ASTM G21, ASTM E84 (UL 723), ASTM E90
 - UL Classified systems up to 4 hr
 - Colour: Red, Gray & White

Metacaulk® 150+ is a single component, general purpose firestop sealant which is designed for a wide range of applications in both vertical and horizontal orientations. Tested in accordance with ASTM E814 (UL 1479) and ASTM E1966 (UL 2079) standards can provide up to a 4 hr fire resistance rating.

It exhibits excellent non-sag characteristics, and has been designed to help maintain the sound reduction index of a structure. It is easy to apply and cures to an elastomeric seal, suitable for where dynamic movement may occur, and is protected in a wet and dry stage against mold growth in accordance with ASTM G21.

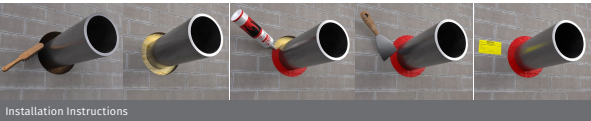
RECOMMENDED FOR • Metallic pipes • Combustible pipes • Insulated pipes • Construction joints • Air ducts • Single & bunched cables • Bus bars



Code	Description - (Red)	Qty
66648	10.3 oz (310 ml) Cartridge	12
66305	20.2 oz (600 ml) Sausage pack	12
66383	30 oz (900 ml) Cartridge	12
66389	5 gal (19 L) Pail	1
Code	Description - (Gray)	Qty
66424	20.2 oz (600ml) sausage pack	12
66425	5 gal (19L)	1
Code	Description - (White)	Qty
66396	20.2 oz (600ml) sausage pack	12

*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® piping systems and products made with TempKite® Technology. The FBC® System Compatible Logo, FlowGuard Gold®, BlazeMaster®, Corzan® and TempKite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

WARNING: This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



- Installation Instructions**
- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all contact surfaces so they are free from loose debris and contaminants.
 2. Install the required backing material as per the detailed instructions or approved system.
 3. Apply Metacaulk 150+ to required parameters as per detailed instruction or approved system making sure that it is in contact with all surfaces to provide maximum adhesion.
 4. Tool sealant to a defect free finish using a wetted trowel or putty knife.
 5. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Water Based Acrylic	Skin Over Time	30 min. (at 77°F/25°C)
Colour	Red, Gray & White	Cure Time	3 to 4 weeks (at 77°F/25°C)
PH Value	7 to 8	Application Temperature between	40°F – 120°F 4°C – 49°C
Viscosity	300000 cp	Properties	
Density (ISO 9427)	1.5 g/cc	Reaction Between	375°F – 1100°F 190°C – 593°C
Non Volatile (CDPH) Standard Method v1.2	Between 0.5 and 5.0 mg/m ³	Volume	
Ash Content (ISO 3451-1)	40%	10.3 oz Tube	18 cu. in. (304 ml)
Finger Print (ISO 11358/EN1767)	N/A	20 oz Sausage Pack	36 cu. in. (597 ml)
Loss of Ignition (ISO 4589-2)	N/A	30 oz Tubes	54 cu. in. (887 ml)
Flexibility (ISO 1519)	Pass	5 gal/19 L Pail	1,155 cu. in. (18.9 liter)
Coverage Rate	1/4 in. (6 mm) bead 62 Linear feet (18.9 m)	ASTM E84	
STC Rating (ASTM E90)	65	Flame Spread	10
Application	Caulking Gun/Trowel	Smoke Index	10
Elastomeric	Yes	Limitations	
Freeze/Thaw	Excellent	Metacaulk 150+ is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk 150+ should not be used against hot uninsulated surfaces above 300°F (149°C).	
Fungal Growth Rating (ASTM G21)	Zero		
VOC	<10 g/L		
Storage & Handling			
Metacaulk 150+ should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3 year shelf life.			
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.			



Scan QR code for product details.



METACALK FIRESTOP SEALANTS

Metacaulk® 1000

Highly Intumescent Firestop Sealant

- 
- FEATURES**
- Highly intumescent
 - Non sag
 - Freeze-thaw capabilities
 - Mold inhibitor
 - VOC compliant - CDPH Standard Method v1.2
 - STC rating 62
 - 3 year shelf life
 - Tested I.A.W ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E1399, CAN/ULC-S115, S101, S102, ASTM E84 (UL723), ASTM E90, ASTM G21
 - UL Classified systems up to 4 hr
 - Complies to UL required Accelerated Aging and High Humidity Testing
 - Colour: Red

Metacaulk® 1000 is a single component water-based intumescent sealant which is suitable for sealing construction joints and service penetrations in both vertical and horizontal applications. Metacaulk 1000 can provide up to a 4 hr fire resistance rating in accordance with the ASTM E814 (UL1479), ASTM E1966 (UL 2079) test standards.

It exhibits excellent non-sag characteristics, and has been designed to help maintain the sound reduction index of a structure. It is easy to apply and cures to an elastomeric seal, suitable for where dynamic movement may occur.

RECOMMENDED FOR • Metallic pipes • Combustible pipes • Insulated pipes • Construction joints • Air ducts • Single & bunched cables • Cable trays & bus bars

Code	Description - (Red)	Qty
66640	10.3 oz (310 ml) Cartridge	12
66312	20.2 oz (600 ml) Sausage pack	12
66303	30 oz (900 ml) Cartridge	12
66309	5 gal (19 L) Pail	1



*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® piping systems and products made with Tempilux® technology. The FBC System Compatible Logo, FBC®, FlowGuard Gold®, BlazeMaster®, Corzan® and Tempilux® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

WARNING: This product can expose you to Acrylamide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



- Note:** Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all contact surfaces so they are free from loose debris and contaminants.
 2. Install the required backing material as per the detailed instructions or listed system.
 3. Apply Metacaulk 1000 to required parameters as per detailed instructions or listed system making sure that it is in contact with all surfaces to provide maximum adhesion.
 4. Tool sealant to a defect-free finish using a wetted trowel or putty knife.
 5. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Water Based Acrylic
Colour	Red
PH Value	6.5 to 7
Viscosity	176000 cp
Density (ISO 9427)	1.36 g/cc
Non Volatile (ISO 3251)	79.20%
Ash Content (ISO 3451-1)	40.57%
Finger Print (ISO 11358/EN1767)	Cellulose Triacetate
Loss of Ignition (ISO 4589-2)	66.84%
Flexibility (ISO 1519)	Pass
Total Heat Release (ISO 5660-1)	19.5 mj/m²
Insulation Efficiency (EN1363-1)	No failure observed at 25 min
Application	Caulking Gun/Trowel
Elastomeric	Yes
Freeze/Thaw	Excellent
Fungal Growth Rating (ASTM G21)	Zero
VOC	<10 g/L
Storage & Handling	
Metacaulk 1000 should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3 year shelf life.	
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.	
Curing Times	
Skin Over Time	30 min. (at 77°F/25°C)
Cure Time	3 to 4 weeks (at 77°F/25°C)
Application Temperature between	40°F – 120°F 4°C – 49°C
Intumescent Properties	
Expansion Between	375°F – 1100°F 190°C – 593°C
Expansion Ratio (TR024-clause 3.1.1 Method 1 at 550°C For 30min with top load/HP)	1:18
Expansion Pressure (TR024-clause 3.1.2 method 4 at 300°C/HP)	1.215 N/mm² (12.15 Bar)
Volume	
10.3 oz Tube	18 cu. in. (304 ml)
20 oz Sausage Pack	36 cu. in. (597 ml)
30 oz Tubes	54 cu. in. (887 ml)
5 gal/19 L Pail	1,155 cu. in. (18.9 liter)
ASTM E84	
Flame Spread	0
Smoke Index	0
Limitations	
Metacaulk 1000 is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk 1000 should not be used against hot uninsulated surfaces above 300°F (149°C).	



Scan QR code for product details.



METACALK FIRESTOP SEALANTS

Metacaulk® 1200

Spray & Caulk Firestop Mastic



FEATURES

- Flexible cure
- Non sag
- Freeze-thaw capabilities
- Mold inhibitor
- VOC compliant - CDPH Standard Method v1.2
- STC rating 65
- 3 year shelf life
- Tested I.A.W ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E2307, CAN/ULC-S115, S101, S102, ASTM E84 (UL723), ASTM E90, ASTM G21, ASTM C719
- UL Classified systems up to 4 hr
- Colour: Red, White & Gray

Metacaulk® 1200 is a single component water based, firestop sealant which has been formulated for for caulk, spray and self leveling grade applications. Designed for a variety of service penetration, construction and perimeter joint applications in both vertical and horizontal construction assemblies. Tested in accordance with ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E2307 standards to provide up to a 4 hr fire resistance rating.

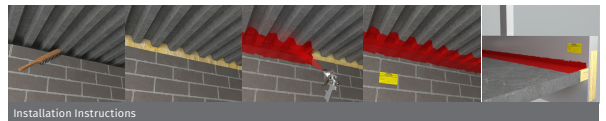
It exhibits excellent non-sag characteristics, and has been designed to help maintain the sound reduction index of a structure in accordance with ASTM E90. It is easy to apply and cures to an elastomeric seal, suitable for where dynamic movement may occur (ASTM C719), and is protected in a wet and dry stage against mold growth in accordance with ASTM G21.

RECOMMENDED FOR • Metallic pipes • Insulated pipes • Insulated air duct • Single & bunched cables • Cable trays & bus bars • Construction joints • Perimeter fire barrier



Code	Description - (Red)	Qty
66292	20.2 oz (600 ml) Sausage pack	12
66015	30 oz (900 ml) Cartridge	12
66387	5 gal (19 L) Pail - Caulk Grade	1
66379	5 gal (19 L) Pail - Spray Grade	1
Code	Description - (White)	Qty
66294	20.2 oz (600 ml) Sausage pack	12
66525	30 oz (900 ml) Cartridge	12
66386	5 gal (19 L) Pail - Caulk Grade	1
66527	5 gal (19 L) Pail - Spray Grade	1
Code	Description - (Gray)	Qty
66293	20.2 oz (600 ml) Sausage pack - Self Leveling	12
66395	5 gal (19 L) Pail - Self Leveling	1

*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® piping systems and products made with Tempkize® technology. The FBC System Compatible logo, FBC®, Flowguard Gold®, BlazeMaster®, Corzan® and Tempkize® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.



Installation Instructions

Note: Firestop material must be installed in accordance with detailed instructions or the listed system.

1. Clean all contact surfaces so they are free from loose debris and contaminants.
2. Install the required backing material as per the detailed instructions or approved system.
3. Apply Metacaulk 1200 to required parameters as per detailed instruction or approved system making sure that it is in contact with all surfaces to provide maximum adhesion.
4. Caulk only: Tool sealant to a defect free finish using a wetted trowel or putty knife.
5. Spray only: Spray the required coating thickness to completely cover mineral wool and overspray a minimum 1/2" (or as recommended) beyond on all surrounding surfaces.
6. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data		
Material Properties		Curing Times
Chemical Base	Water Based Acrylic	Skin Over Time 30-45 min. (at 77°F/25°C)
Colour	Red, White & Gray	Cure Time 3 to 4 weeks (at 77°F/25°C)
PH Value	7 to 9	Application Temperature between 40°F - 120°F (4°C - 49°C)
Viscosity	Spray: 85,000 cp Caulk: 300,000 cp	Properties
Density (ISO 9427)	Spray: 1.25 g/cc Caulk: 1.35 g/cc	Reaction Between 375°F - 1100°F (190°C - 593°C)
Non Volatile (CDPH Standard Method v1.2)	Between 0.5 and 5.0 mg/m³	Volume
Ash Content (ISO 3451-1)	Spray: >32% Caulk: >38%	20 oz Sausage Pack 36 cu. in. (597 ml)
Finger Print (ISO 11358/EN1767)	N/A	30 oz Tubes 54 cu. in. (887 ml)
Loss of Ignition (ISO 4589-2)	N/A	5 gal/19 L Pail 1,155 cu. in. (18.9 liter)
Flexibility (ISO 1519)	Pass	ASTM E84
Coverage Rate	1/4 in. (6 mm) bead 62 Linear feet (18.9 lm)	Flame Spread 0
STC Rating (ASTM E90)	65	Smoke Index 0
Application	Caulking Gun/Trowel	Limitations
Elastomeric (IAW ASTM C719)	Up to 50%	Metacaulk 1200 is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk 1200 should not be used on hot uninsulated surfaces above 200°F (93°C).
Freeze/Thaw	Excellent	
Fungal Growth Rating (ASTM G21)	Zero	
VOC	<10 g/L	
Storage & Handling		
Metacaulk 1200 should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3 year shelf life.		
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.		



Scan QR code for product details.



350i INTUMESCENT FIRESTOP SEALANT

Metacaulk® 350i

Highly Intumescent Firestop Sealant

- 
- FEATURES**
- Flexible
 - Excellent freeze-thaw
 - For interior use - paintable
 - STC rating 53
 - Tested in accordance with ASTM E814 (UL 1479) & ASTM E1966 (UL 2079), CAN/ULC S115, S101 and S102
 - 3 year shelf life
 - Complies to UL required Accelerated Aging and High Humidity Testing
 - Colour: Red

Metacaulk® 350i is a single component, water based intumescent sealant which is design for a wide range of applications in both vertical and horizontal orientations. Tested in accordance with ASTM E814 (UL 1479) and ASTM E1966 (UL 2079) standards can provide up to a 3 hr fire resistance rating.

It exhibits excellent non-sag characteristics, and has been designed to help maintain the sound reduction index of a structure. It is easy to apply and cures to an elastomeric seal, suitable for where dynamic movement may occur, and is protected in a wet and dry stage against mold growth.

RECOMMENDED FOR • Metal pipes • Insulated pipes • Fiberglass & plastic pipes • Wall construction joints • Power & telephone cables

Code	Description - (Red)	Qty
66616	10.3 oz. (310 ml) Cartridge	12
66611	20.2 oz. (660 ml) Sausage pack	12
66613	5 gal (19 L)	1



*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® piping systems and products made with TempKite® Technology. The FBC System Compatible Logo, FBC®, FlowGuard Gold®, BlazeMaster®, Corzan® and TempKite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

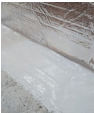


- Note:** Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all contact surfaces so they are free from loose debris and contaminants.
 2. Install the required backing material as per the detailed instructions or listed system.
 3. Apply Metacaulk 350i to required parameters as per detailed instruction or listed system making sure that it is in contact with all surfaces to provide maximum adhesion.
 4. Tool sealant to a defect free finish using a wetted trowel or putty knife.
 5. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Water Based Acrylic
Colour	Dark Red
PH Value	6.5 to 7
Viscosity	300000 cp
Density (ISO 9427)	1.32 kg/l
NonVolatile (CDPH) Standard	Between 0.5 and 5.0 mg/m³
Ash Content (ISO 3451-1)	40%
Finger Print (ISO 11358/EN1767)	N/A
Loss of Ignition (ISO 4589-2)	N/A
Flexibility (ISO 1519)	Pass
Coverage Rate 1/4 in. (6 mm) bead 62	Linear feet (18.9 lm)
STC Rating (ASTM E90)	53
Application	Caulking Gun/Trowel
Elastomeric	Yes
Freeze/Thaw	Excellent
VOC	<10 g/L
Storage & Handling	
Metacaulk 350i should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3 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.	
Curing Times	
Skin Over Time	30 min. (at 77°F/25°C)
Cure Time	3 to 4 weeks (at 77°F/25°C)
Application Temperature	between 40°F – 120°F 4°C – 49°C
Properties	
Reaction Between	375°F – 1100°F 190°C – 593°C
Reaction Ratio (DIN 4102-1 with 100g (3.5oz) top load (MP)	TBC
Volume	
10.3 oz Tube	18 cu. in. (304 ml)
20 oz Foil Pack (Sausage)	36 cu. in. (597 ml)
30 oz Tubes	54 cu. in. (887 ml)
5 gal/19 L Pail	1,155 cu. in. (18.9 liter)
Limitations	
Metacaulk 350i should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3 year shelf life.	





METACALK FIRESTOP SEALANTS

Metacaulk® 835+

Elastomeric, Silicone Firestop Sealant



- FEATURES**
- Flexible cure
 - Non sag
 - Freeze-thaw capabilities
 - Mold inhibitor
 - VOC compliant - CDPH Standard Method v1.2
 - STC rating 55
 - 2 year shelf life; 18 months for Spray
 - STC rating 55
 - Caulk - Meets ASTM C920, Type S, Grade NS, Class 25, Use NT, M, G, A, O
 - SL Self Leveling: Meets ASTM C920, Type S, Grade SL, Class 25, Use NT, M, A
 - UL Classified systems up to 3 hr
 - Colour: Gray

Metacaulk® 835+ is a single component, low modulus, non-slumping silicone firestop sealant designed for a variety of service penetration, construction and perimeter joint applications in both vertical and horizontal construction assemblies. Tested in accordance with ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E2307, ASTM E84 (UL723), CAN/ULC S115, S101 and S102 standards to provide up to a 3 hr fire resistance rating.

Resistant to cracking, ultraviolet radiation and ozone, it forms a pressure tight seal resistant to water, smoke and toxic gases and can be used for both internal or external applications. It help maintain the sound reduction index of a structure in accordance with ASTM E90, is easy to apply and cures to an elastomeric seal, suitable for where dynamic movement may occur (ASTM C719), and is protected in a wet and dry stage against mold growth.

RECOMMENDED FOR • Metallic pipes • Insulated pipes • Insulated air duct • Single & bunched cables • Cable trays & bus bars • Construction joints • Perimeter fire barrier



Code	Description - (Gray)	Qty
66645	10.15 oz (310 ml) Cartridge	12
66300	20.2 oz (600 ml) Sausage pack	12
66301	20.2 oz (600 ml) Sausage pack - Self-Leveling Grade	12
66019	5 gal (19 L) Pail	1
66295	5 gal (19 L) Spray	1

Spray

*FBC® System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with Fireguard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology. The FBC System Compatible Logo, FBC®, Fireguard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.



Installation Instructions

Note: Firestop material must be installed in accordance with detailed instructions or the listed system.

1. Clean all contact surfaces so they are free from loose debris and contaminants.
2. Install the required backing material as per the detailed instructions or listed system.
3. Apply Metacaulk 835+ to required parameters as per detailed instructions or listed system making sure that it is in contact with all surfaces to provide maximum adhesion.
4. Caulk only: Tool sealant to a defect free finish using a wetted trowel or putty knife.
5. Spray only: Spray the required coating thickness to completely cover mineral wool and overspray a minimum 1/2" (or as recommended) beyond on all surrounding surfaces.
6. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Silicone Base, Neutral moisture cure
Colour	Gray
STC Rating (ASTM E90)	55
Viscosity	40,000 cp
Specific Gravity	1.33 g/cm ³
Non Volatile (CDPH) Standard Method v1.2	0.22 mg/m ²
100% Modulus (ASTM D423)	0.310 MPa (45 psi)
Dielectric Strength (ASTM D149)	19.0 kV/mm (479 V/mil)
LC50 - UPIITT Combustion Toxicity	33 grams
Joint Movement (ASTM C920)	25+/-
Hardness Shore A (ASTM C661)	35
Elongation (ASTM D412 DieC)	600%
Tear Strength (ASTM D624)	6.13 kN/m (35 PPI)
Application	Caulking Gun/Trowel
Elastomeric	Yes
Freeze/Thaw	Excellent
Storage & Handling	
Metacaulk 835+ should not be stored where the temperatures exceed 90°F (32°C) or drop below 40°F (4°C) to obtain a 2 year shelf life (18 months for spray).	
Keep products stored under protective cover in original containers. A stock rotation program is recommended.	
Curing Times	
Skin Over Time	10-40 min. (at 77°F/25°C)
Cure Time	21 days (at 77°F/25°C)
Application Temperature between	-20°F - 120°F -29°C - 49°C
Properties	
Service Temp. Range (ASTM C1299)	-60°F - 300°F -51°C - 149°C
Expansion Ratio (TRB24 clause 3.1.1 Method 1 at 550°C For 30min with top load/HP)	N/A
Expansion Pressure (TRB24 clause 3.1.2 method 4 at 300°C/HP)	N/A
Volume	
20 oz Sausage Pack	36 cu. in. (597 ml)
30 oz Tubes	54 cu. in. (887 ml)
5 gal/19 L Pail	1,155 cu. in. (18.9 liter)
ASTM E84	
Flame Spread	3
Smoke Index	22
Limitations	
Do not use Metacaulk 835+ in computer rooms without first consulting RectorSeal.	



Scan QR code for product details.



METACALK SMOKE AND ACOUSTIC SEALANT

Metacaulk® SAS



- FEATURES**
- Meets LEED requirements for low emitting materials for adhesives and sealants
 - Excellent for large openings
 - Impedes sound transfer
 - Water clean up
 - Easy to dispense
 - Use both vertically or horizontally
 - Interior application
 - STC rating 69
 - 2 year shelf life
 - Colour: White

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. Metacaulk 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, CAN/ULC S115, S101 and S102. 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.

RECOMMENDED FOR • Metallic pipes • Combustible pipes • Insulated pipes • Construction joints • Air ducts • Single & bunched cables • Bus bars

Code	Description - (White)	Qty
66650	5 gal (18.9 L)	1
66652	20.2 oz (600 ml) Sausage pack	12



*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® piping systems and products made with Tempilite® Technology. The FBC System Compatible Logo, FBC®, FlowGuard Gold®, BlazeMaster®, Corzan® and Tempilite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.



- Installation Instructions**
- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces so they are free from loose debris and contaminants.
 2. Push backing material into opening flush with the exposed surface or as required by system design.
 3. Use recommended Metacaulk sealant as directed in testing documents for smoke sealant.
 4. Clean all equipment with water immediately after use.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Water Based Acrylic
Colour	White
PH Value	6.5 to 8
Viscosity	
Density (ISO 9427)	Density Caulk 11.1 lbs./gal 1.33 kg/L • Spray 10.9 lbs./gal 1.31 kg/L
Non Volatile (ISO 3251)	TVOC 44.6 (µg m ⁻³) per CDPH Standard Method V1.2, CA Section 01350. Test Results Pass Private Office (PO) & School Classroom (SC)
Ash Content (ISO 3451-1)	
Finger Print (ISO 11358/EN1767)	
Loss of Ignition (ISO 4589-2)	
Flexibility (ISO 1519)	Pass
Total Heat Release (ISO 5660-1)	
Insulation Efficiency (EN1363-1)	
Application	Caulking Gun/Trowel
Elastomeric	Yes
Freeze/Thaw	Excellent
Fungal Growth Rating (ASTM G21)	Zero
VOC	<10 g/L
Storage & Handling	

Curing Times	
Skin Over Time	30 min. (at 77°F/25°C)
Cure Time	3 to 4 weeks (at 77°F/25°C)
Application Temperature between	40°F – 120°F 4°C – 49°C
Volume	
10.3oz Tube	18 cu. in. (304 ml)
20 oz Sausage Pack	36 cu. in. (597 ml)
30 oz Tubes	54 cu. in. (887 ml)
5 gal/19 L Pail	1,155 cu. in. (18.9 liter)
ASTM E84	
Flame Spread	0
Smoke Index	5

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 40°F to 120°F and should not be installed on un-insulated surfaces that exceed 120°F degrees



Scan QR code for product details.



Intumescent service supply



Metacaulk CID provides through floor firestop protection for all types of building service penetrations.



Action videos and full details @ rectorseal.com/cid

Contact: RectorSeal® 713-263-8001 | 800-231-3345 713-263-7577 | 800-441-0051 rectorseal.com

Cast-In-Place Device

Firestop CID accessory for tub drains



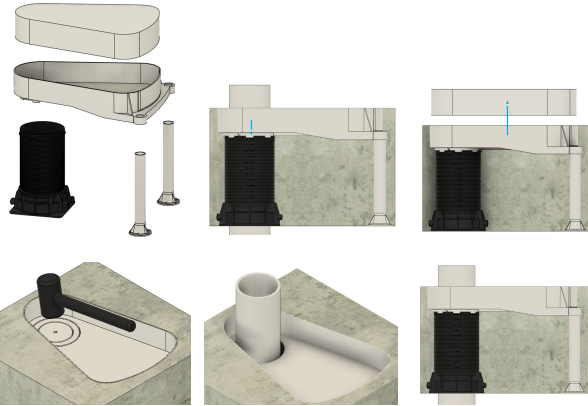
- FEATURES**
- Integral intumescent firestop
 - UL classified systems up to 3 hr
 - Eliminates drilling of concrete
 - Available in two sizes to accommodate up to 2" & 3" pipes
 - Maximum slab height with included components is 10"
 - Tested in accordance with ASTM E814 (UL 1479)
 - For slabs 10" or greater, Metacaulk CID extensions are available. Use 3/4" PVC coupling and pipe to extend the tub box legs as needed.

Designed to prevent the spread of fire from bathtub or jetted-tub drains to upper level. Installed prior to concrete pour.

RECOMMENDED FOR - Providing through penetration firestop protection for both plastic and metal drain pipes



Code	Description	Qty
67212	Tub Box with 2" Metacaulk CID	1
67213	Tub Box with 3" Metacaulk CID	1



Contact: RectorSeal® 713-263-8001 | 800-231-3345 713-263-7577 | 800-441-0051 rectorseal.com



CAST-IN-PLACE DEVICE

Cast-In-Place Device



FEATURES

- Integral intumescent firestop
- UL CLASSIFIED systems up to 4 hr
- Eliminates drilling of concrete
- Reduces labor time
- Tested in accordance with ASTM E814 (UL 1479), CAN/ULC-S115, S101, S102
- VOC compliant - CDPH Standard Method v12

Firestop for Through Floor Penetration

Metacaulk® CID Cast-In-Place Device is a single component pass through system which has been design to form an embedded Firestop solution in concrete floor assemblies. Constructed from a highly durable virgin resin, the CID is strong enough to withstand the force and load of a concrete pour, but lightweight enough to permit easy placement and handling. It contains a powerful Intumescent graphite material which provide firestop protection for combustible and metallic pipes and all types of cabling. Tested in accordance with ASTM E814 (UL1479) CAN UL/C 5-115, S101, S102 the CID can provide up to a 4 hr fire resistance rating.

Metacaulk CID Cast-In-Place Device comes complete with a wide range of features and accessories making it a truly versatile built in firestop solution. The connection alignment stubs allow easy, unlimited grouping to optimize through penetration's foot print, while the 'snap-fit' cover cap, extension sleeve and metal deck adaptor cater for many variations of floor assemblies.

RECOMMENDED FOR • Combustible plastic/metal pipe, power & telephone cable floor penetrations in multi-floor construction
• Installs using either temporary wood or metal forms



*FBC® System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with Fireguard Gold®, BlazeMaster® and Corzan® piping systems and products made with Tempkote® Technology. The FBC System Compatible Logo, FBC®, Fireguard Gold®, BlazeMaster®, Corzan® and Tempkote® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

Code	Cast-in-Place Device	Qty
67202	2-inch device (8-in. height)	12
67203	3-inch device (8-in. height)	12
67204	4-inch device (8-in. height)	12
67206	6-inch device (8-in. height)	6
Code	Height Extension	Qty
67232	4-in. extension for 2-in. device	6
67233	4-in. extension for 3-in. device	6
67234	4-in. extension for 4-in. device	6
67236	4-in. extension for 6-in. device	6
Code	Deck Adapter Kit	Qty
67222	2-in. adapter w/4 in. ext.	6
67223	3-in. adapter w/4 in. ext.	6
67224	4-in. adapter w/4 in. ext.	6
67226	6-in. adapter w/4 in. ext.	6



Installation Instructions

1. Select Metacaulk CID to fit the diameter of penetrant being used, assuring annular space is within limits set by the detailed design or listed system.
2. Position the Metacaulk CID on concrete forms, and secure by nailing or screwing through fastening holes on the bottom of the flange.
3. For metal decking applications, cut hole in the corrugated metal deck to the size of Metacaulk CID being used.
4. Use metal deck adapter kit to install the CID by attaching deck support to bottom flange then insert extension tube into the bottom of the Metacaulk CID.
5. Insert extension tube through the precut hole in decking & fasten decking supports to deck with screws.
6. Ensure extension is sealed to prevent leakage of concrete through decking.
7. Metacaulk CID alignment connectors allow tight placement of multiple devices / penetrations.
8. If finished concrete is lower than the height of Metacaulk CID, then cut the Metacaulk CID to match finished pour height.
9. If finished concrete is higher than the Metacaulk CID, then insert appropriate size Metacaulk CID extension onto device aligning connector tabs from CID with extension receiving slots. Attach additional extensions to reach desired height.
10. Before pouring concrete, ensure Metacaulk snap-fit cover cap is in place to prevent the flow of concrete into the device.
11. Once the concrete is cured, remove the Metacaulk CID snap-fit cover cap and the device is ready to use.
12. Insert the desired penetrant.

Technical Data		
Material Properties		
Chemical Base	Graphite based on Synthetic compound	
Colour	Black	
Weight per unit area (EN1849-2)	7737 g/m ²	
Density (ISO 9427)	1334 kg/m ³	
Non Volatile (ISO 3251)	98.60%	
Ash Content (ISO 3451-1)	42.61%	
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)	
Loss of Ignition (ISO 4589-2)	82.89%	
Flexibility (ISO 1519)	Pass	
Total Heat Release (ISO 5660-1)	17.3 mj/m ²	
Insulation Efficiency (EN1363-1)	No failure observed at 25 min	
Application		
Elastomeric	Yes	
Freeze/Thaw	Excellent	
VOC	<10 g/L	
Storage & Handling		
Metacaulk CID should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.		
Curing Times		
Application Temperature between		40°F – 120°F 4°C – 49°C
Intumescent Properties		
Expansion Between		375°F – 1100°F 190°C – 593°C
Expansion Ratio (TR024 clause 3.1.1.1 Method 1 at 550°C For 30min with top load (NP))		1:20
Expansion Pressure (TR024 clause 3.1.1.2 method 4 at 300°C/NP)		1,330 N/mm ² (13.3 Bar)
Coverage Rates		
No measurement of material required		
Limitations		
To be used only in the tested configurations or as recommended by RectorSeal.		

Scan QR code for



Scan QR code for product details.



WRAP STRIP

Wrap Strip



- FEATURES**
- Highly intumescent
 - Flexible
 - Freeze-thaw capabilities
 - VOC compliant - CDPH Standard Method v1.2
 - Tested L.A.W ASTM E814 (UL 1479), ASTM E119 (UL263), ASTM G21 CAN/ULC-S115, S101, S102
 - UL Classified systems up to 4 hr
 - Complies to UL required Accelerated Aging and High Humidity Testing

Flexible Intumescent Strip for Combustible Service

Metacaulk® Wrap Strip is a highly intumescent, graphite-based composition based on an elastomeric synthetic compound. Designed for use around combustible services in both vertical and horizontal application in a wide range of building materials. Tested in accordance with ASTM E814 (UL1479) and ASTM E119 (UL 263) standards to provide up to a 4 hr fire resistance rating.

RECOMMENDED FOR • Combustible pipes • Insulated pipes • Single & bunched cables • Cable trays



Code	Description	Qty
66440	1" X 18 ft (25 mm X 5.5 m)	2
66442	2" X 18 ft (50 mm X 5.5 m)	1
66441	1" X 36 ft (25 mm X 11 m)	4
66443	2" X 36 ft (50 mm X 11 m)	2

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Installation Instructions

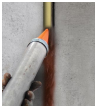
- Note:** Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces so they are free from loose debris and contaminants.
 2. Tightly wrap the required number of strips continuously around the penetrant to completely fill the annular space or as required by detailed design or listed system and secure with tape.
 3. Push the strips into the opening to the required depth as directed by the detailed design or listed system.
 4. If a cold smoke seal is required, apply the recommended sealant in the opening over the strips as directed in the detail instructions or listed design.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Graphite based on Synthetic compound
Colour	Black
Weight per unit area (EN1849-2)	7737 g/m ²
Density (ISO 9427)	1334 kg/m ³
Non Volatile (ISO 3251)	98.60%
Ash Content (ISO 3451-1)	42.61%
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)
Loss of Ignition (ISO 4589-2)	82.89%
Flexibility (ISO 1519)	Pass
Total Heat Release (ISO 5660-1)	17.3 mj/m ²
Insulation Efficiency (EN1363-1)	No failure observed at 25 min
Application	Dry
Elastomeric	Yes
Freeze/Thaw	Excellent
VOC	<10 g/L
Storage & Handling	
Metacaulk Wrap Strip should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.	
Curing Times	
Application Temperature between	40°F – 120°F 4°C – 49°C
Intumescent Properties	
Expansion Between	375°F – 1100°F 190°C – 593°C
Expansion Ratio (TM204 clause 3.1.1 Method 1 at 550°C For 30min with top load/HF)	1:20
Expansion Pressure (TM204 clause 3.1.2 method 4 at 300°C/HF)	1,330 N/mm ² (13.3 Bar)
Coverage Rates	
Calculate the circumference of the penetrant, for pipes/circular (2πr) or for square/rectangle (L x W)	
Example: For 4in (100 mm) pipe - 2 x π x 4in (100 mm) = 629.4 mm	
Length of wrap strip: L = 18ft or 5.5M (5486.4 mm) L = 36ft or 10.9M (10,972.8 mm)	
Therefore C divided by L = No. of applications. Note: Multiple layers of wrap strip will change the circumference on consecutive layers.	
ASTM E84	
Flame Spread	0
Smoke Index	20
Limitations	
To be used only in the tested configurations or as recommended by RectorSeal.	



Scan QR code for product details.



JOINT STRIP

Joint Strip

FEATURES

- Highly intumescent
- Flexible
- Freeze-thaw capabilities
- VOC compliant - CDPH Standard Method v1.2
- Tested I.A.W ASTM E814 (UL 1479), ASTM E1966 (UL2079), NFPA 252, UL10C, & CAN5 4S104, CAN/ULC S115, S101 and S102
- UL Classified systems up to 4 hr
- Complies to UL required Accelerated Aging and High Humidity Testing

Universal Flexible Intumescent Material

Metacaulk® Joint Strip is a 1/16 in. (1.5mm) thick highly intumescent, graphite-based composition based on an elastomeric synthetic compound. Designed for both combustible service penetrations and construction joints in vertical and horizontal applications in a wide range of building materials. Tested in accordance with ASTM E814 (UL1479), ASTM E1966 (UL 2079) can provide up to a 4 hr fire resistance rating.

RECOMMENDED FOR - Combustible pipes (PVC, CPVC, XFR, PP, HDPE, RNC, ABS) - Insulated pipes - Insulated ducts - Single & bunched cables - Cable trays - Construction joints



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Code	Description	Qty
66700	1" X 82 ft (25 mm X 25 m)	6
66701	1-1/2" X 82 ft (40 mm X 25 m)	4
66702	2-1/2" X 82 ft (65 mm X 25 m)	4
66703	3" X 82 ft (75 mm X 2.5m)	2
66704	2" X 82 ft (50 mm X 25 m)	3
66705	4" X 82 ft (100 mm X 25 m)	2



- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces so they are free from loose debris and contaminants.
 2. Install the required backing material as per detailed instructions or listed design.
 3. JOINTS - Friction fit Metacaulk Joint Strip longitudinal into joint, using backer rod as the transport mechanism.
 4. PENETRANT - Tightly wrap the required number of strips continuously around the penetrant to completely fill the annular space or as required by detailed design or listed system and secure with tape.
 5. Push the strips into the opening to the required depth as directed by the detailed design or listed system.
 6. Apply the recommended sealant in the opening / annulus over the joint strip as directed in the detail design or listed system.
 7. Clean all equipment immediately with water after use.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Graphite based on Synthetic compound		Application Temperature between 40°F – 120°F 4°C – 49°C
Intumescent Properties			
Colour	Black	Expansion Between	375°F – 1100°F 190°C – 593°C
Weight per unit area (EN1849-2)	1820 g/m ²	Expansion Ratio (1900k clause 3.11) Method 1 at 550°C For 30min with top load (HPF)	1.25
Density (ISO 9427)	1275 kg/m ³	Expansion Pressure (1900k clause 3.1.2 method 4 at 300°C /HPF)	1.391 N/mm ² (13.91 Bar)
Non Volatile (ISO 3251)	99.00%	Coverage Rates	
Ash Content (ISO 3451-1)	41.06%	Calculate the circumference of the penetrant, for pipes/ circular (2πr) or for square/rectangle (L x W)	
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)	Example: For 4in (100 mm) pipe - 2 x π x 4in (100 mm) = 629.4 mm Length of joint strip: L = 629 (250) Therefore C divided by L = No. of applications. Note: Multiple layers of wrap strip will change the circumference on consecutive layers.	
Loss of Ignition (ISO 4589-2)	83.47%	ASTM E84	
Flexibility (ISO 1519)	Pass	Flame Spread	0
Total Heat Release (ISO 5660-1)	13.1 mj/m ²	Smoke Index	20
Insulation Efficiency (EN1363-1)	No failure observed at 25 min	Limitations	
Application		To be used only in the tested configurations or as recommended by RectorSeal.	
Elastomeric	Yes		
Freeze/Thaw	Excellent		
VOC	<10 g/L		
Storage & Handling			
Metacaulk Joint Strip should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.			



Scan QR code for product details.



FIRESTOP COLLARS

Metacaulk® Firestop Collars

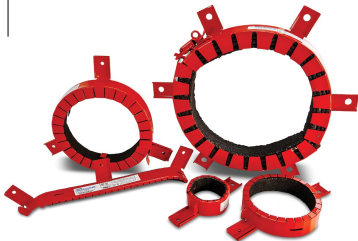
Prefabricated System

FEATURES

- Economical - 25% reduction of installation times
- Fits in limited access areas
- Pre-fixed attachment lugs
- Open & closed pipe systems
- Tested IAW ASTM E814 (UL 1479), CAN/ULC-S115, S101, S102
- UL Classified systems up to 3 hr
- Complies to UL required Accelerated Aging and High Humidity Testing
- FBC System Compatible

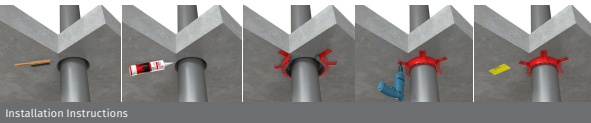
Metacaulk® Firestop Collars are a prefabricated, powder coated, galvanized steel housing which contains a highly reactive graphite-based intumescent material. The easy locking tab ensures quick and efficient installation on a wide range of combustible pipe materials, single or bunched cables and insulated pipes. Tested in accordance with ASTM E814 (UL1479), ASTM E119 (UL 263) and CAN/ULC-S115.

RECOMMENDED FOR - Single & bunched cables - Combustible pipes (PVC, CPVC, ABS, FRPP, PEX tubing, PP, PVDf, UPVC and XFR-PVC) - Insulated pipes (PVC/ABS, foam core, glass wool)



Code	Description	Qty
66352	1-1/2" (25-32 mm) Pipe Collar	12
66353	2" (50 mm) Pipe Collar	12
66350	3" (75 mm) Pipe Collar	6
66351	4" (100 mm) Pipe Collar	6
66354	6" (150 mm) Pipe Collar	2

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- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces so they are free from loose debris and contaminants.
 2. Select the correct size Firestop Collars to fit the diameter of penetrant, making sure the annulus is within the limits of the detailed instructions or listed design.
 3. If an additional smoke seal is required, then apply the recommended sealant within the annulus as directed in the detailed instruction or listed design before mechanical attaching the FR Collar to the building assembly.
 4. Attach Firestop Collars around the penetrant on the underside of the floor or to each side of a wall by firmly placing against the building assembly surface and securing the interlocking tabs.
 5. If needed, mark and pre-drill building assembly surface for correct positioning of Firestop Collars.
 6. Secure using appropriate anchors through the anchoring tabs as per detailed instructions or listed design.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Graphite based on Synthetic compound	Application Temperature between	40°F – 120°F 4°C – 49°C
Colour	Black	Intumescent Properties	
Weight per unit area (EN1849-2)	7737 g/m ²	Expansion Between	375°F – 1100°F 190°C – 593°C
Density (ISO 9427)	1334 kg/m ³	Expansion Ratio (TR624 clause 3.1.11 Method 1 at 550°C For 30min with top load (HP))	1:20
Non Volatile (ISO 3251)	98.60%	Expansion Pressure (TR624 clause 3.1.2 method 4 at 300°C (HP))	1.330 N/mm ² (13.3 Bar)
Ash Content (ISO 3451-1)	42.61%	Coverage Rates	
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)	No measurement of material required	
Loss of Ignition (ISO 4589-2)	82.89%	ASTM E84	
Flexibility (ISO 1519)	Pass	Flame Spread	0
Total Heat Release (ISO 5660-1)	17.3 mj/m ²	Smoke Index	20
Insulation Efficiency (EN1363-1)	No failure observed at 25 min	Limitations	
Application	Dry	To be used only in the tested configurations or as recommended by RectorSeal.	
Elastomeric	Yes		
Freeze/Thaw	Excellent		
VOC	<10 g/L		
Storage & Handling			
Metacaulk firestop collars should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.			
			



Scan QR code for product details.



INTUMESCENT SLEEVES

Metacaulk® Intumescent Sleeves



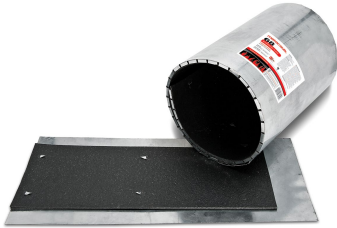
- FEATURES**
- Economical
 - No steel bolts or fasteners
 - Retrofit
 - Open & closed pipe systems
 - Tested I.A.W ASTM E814 (UL 1479), CAN/ULC-515, S101, S102
 - UL Classified systems up to 3 hr
 - Complies to UL required Accelerated Aging and High Humidity Testing

Firestop Device

Metacaulk® Intumescent Sleeves are a prefabricated, galvanized steel sheet which is lined with a highly reactive graphite-based intumescent material. The intumescent sleeve simply wraps around the combustible penetrant and held in place with either tape or pipe clamps. It can be slide into position through the fire rated assembly, and is ideal for uneven contours of a concrete fluted deck assemblies or where the penetrant is less than a 90° angle. Tested in accordance with ASTM E814 (UL1479), ASTM E119 (UL 263), CAN/ULC-515.

RECOMMENDED FOR • Combustible pipes (PVC, CPVC, ABS, FRPP, PEX tubing, PP, PVDF, RNC) • Insulated pipes (EPDM, glass wool)

Code	Description	Qty
66584	2", 3" & 4" (50, 75 & 100 mm) pipe	6
66582	6" & 8" (150 & 200 mm) pipe	1



Installation Instructions

- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces so they are free from loose debris and contaminants.
 2. Select the correct size Intumescent Sleeve to fit the diameter of penetrant.
 3. Wrap Intumescent Sleeve around penetrant from either side of the building assembly with the intumescent material facing inwards allowing bare metal end to overlap approx. 2 in. (51 mm).
 4. Loosely secure the Intumescent Sleeve around penetrant with either tape, hose clamps or tie wire.
 5. Push/slide the Intumescent Sleeve through building assembly so that it is centered within the opening and equal length of Intumescent Sleeve protrudes from the building assembly surface and tightly secure.
 6. Intumescent Sleeve requires a Min. 1/4 in. (6 mm) annulus between periphery of opening and Intumescent Sleeve.
 7. Install the required backing material as per detailed instructions or listed design.
 8. Apply the recommended sealant in annulus as directed in the detailed instructions or listed design.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Graphite based on Synthetic compound		Application Temperature between 40°F – 120°F 4°C – 49°C
Colour	Black		
Weight per unit area (EN1849-2)	1820 g/m ²		
Density (ISO 9427)	1275 kg/m ³		
Non Volatile (ISO 3251)	99.00%		
Ash Content (ISO 3451-1)	41.06%		
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)		
Loss of Ignition (ISO 4589-2)	83.47%		
Flexibility (ISO 1519)	Pass		
Total Heat Release (ISO 5660-1)	13.1 mj/m ²		
Insulation Efficiency (EN1363-1)	No failure observed at 25 min		
Application	Dry		
Elastomeric	Yes		
Freeze/Thaw	Excellent		
VOC	<10 g/L		
Storage & Handling		Limitations	
Metacaulk Intumescent Sleeves should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.		To be used only in the tested configurations or as recommended by RectorSeal.	
			



Scan QR code for product details.



BLAZESEAL

BlazeSeal™



- FEATURES**
- Highly intumescent
 - Flexible
 - Freeze-thaw capabilities
 - VOC compliant - CDPH standard method v1.2
 - Tested I.A.W ASTM E814 (UL 1479), ASTM E1966 (UL2079), NFPA 252, UL10C, & CAN5 45104, CAN/ULC S115, S101 and S102
 - UL Classified systems
 - Complies to UL required accelerated aging and high humidity testing

Metacaulk® BlazeSeal™ is a highly intumescent graphite-based composition, on an elastomeric synthetic compound which is available in 1/16 in. (1.5mm) or 5/64in. (2 mm) thicknesses.

Designed primarily to maintain positive pressure in a wide range of fire rated door and door frame assemblies, when tested in accordance with NFPA 252, UL10C & CAN54-S104.

It can provide adequate sealing for Category G Edge Sealing Systems, Category B wood and plastic covered composite doors rated up to 1-1/2 hr and Category B wood core doors rated 20 minute fire tested without hose stream.

It is also suitable as Category J Gaskets for use with Listed steel frames and/or classified steel covered composite, hollow metal doors rated up to 3 hr, and wood and plastic covered composite doors rated up to 1-1/2 hr.

Due to its superior expansion pressure and volume, the BlazeSeal can also be used as a key component in a wide variety of additional applications and products.

RECOMMENDED FOR • Wood & plastic composite doors • Wood core doors • Steel covered composite doors • Hollow metal doors • Other applications such as intumescent inlay for fire collars, passthrough device or sleeves, ventilated fire barriers, intumescent dampers



Code	Description	Qty
66555	1/4" X 1/2" X 82' W/ADH (1.5 mm X 13 mm X 25 M W/ADH)	24
66018	3/4" X 1/2" X 82' W/ADH (2 mm X 13 mm X 25 M W/ADH)	24
66550	1/4" X 1" X 82' W/ADH (1.5 mm X 25 mm X 25 M W/ADH)	12
66048	3/4" X 1" X 82' W/ADH (2 mm X 25 mm X 25 M W/ADH)	12
66206	1/4" X 12 1/2" X 82' W/ADH (1.5 mm X 317 mm X 25 M W/ADH)	1
66024	3/4" X 12 1/2" X 82' W/ADH (2 mm X 317 mm X 25 M W/ADH)	80



- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all surfaces in application area to remove loose debris, dirt, oil, wax, grease, old caulking, etc.
 2. BlazeSeal™ is installed on either the door frame or the leaf of the door. It may be installed with an appropriate adhesive either in a channel or flush to the surface. BlazeSeal may be supplied with a factory applied pressure sensitive adhesive film. Consult UL Directory for complete instructions and system listings.

Refer to Safety Data Sheet for additional information.

Technical Data	
Material Properties	
Chemical Base	Graphite based on Synthetic compound
Colour	Black
Weight per unit area (EN1849-2)	1820 g/m ²
Density (ISO 9427)	1275 kg/m ³
Non Volatile (ISO 3251)	99.00%
Ash Content (ISO 3451-1)	41.06%
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)
Loss of Ignition (ISO 4589-2)	83.47%
Flexibility (ISO 1519)	Pass
Total Heat Release (ISO 5660-1)	13.1 MJ/m ²
Insulation Efficiency (EN1363-1)	No failure observed at 25 min
Application	
Elastomeric	Yes
Freeze/Thaw	Excellent
VOC	<10 g/L
Storage & Handling	
Metacaulk BlazeSeal should be stored in a cool, dry place. Keep products stored under protective cover, in their original containers.	
Curing Times	
Application Temperature between	40°F – 120°F 4°C – 49°C
Intumescent Properties	
Expansion Between	375°F – 1100°F 190°C – 593°C
Expansion Ratio (TRIS4-clause 3.1.1 Method 1 at 550°C For 30min with top load/HF)	1:25
Expansion Pressure (TRIS4-clause 3.1.2 method 4 at 300°C/HF)	1.391 N/mm ² (13.91 Bar)
ASTM E84	
Flame Spread	N/A
Smoke Index	N/A
Limitations	
To be used only in the tested configurations or as recommended by RectorSeal.	



Scan QR code for product details.



BLAZE FOAM

Blaze Foam™

Universal Flexible Intumescent Material



- FEATURES**
- Quick & Easy Install
 - Flexible
 - Not Affected by Temperature
 - No Hazardous Ingredients
 - No Mechanical Fastening Required
 - Up to 50% compression & 100% extension
 - STC Rating 64
 - Tested I.A.W ASTM E1966 (UL2079)
 - L Rating < 1 CFM/LF

Metacaulk® Blaze Foam™ is a pre-formed, highly intumescent, compressible foam designed to reinstate the fire resistance of construction joint applications in both vertical and horizontal orientations. Tested in accordance with ASTM E1966 (UL2079), ASTM E119 (UL263), ASTM E84 (UL723), CAN/ULC S115, S101 and S102 standards to provide up to a 2hr fire resistance rating, and to maintain the sound reduction index of a structure in accordance with ASTM E90. It is quick and easy to install with no form of mechanical fixing required.

RECOMMENDED FOR • Head of gypsum wall, wall to wall and bottom wall joint applications both dynamic and static • For 1 & 2 hour rated gypsum walls



Code	Description	Qty
66024	48" X 1/4" X 1 1/2"	80



Installation Instructions

- Note: Firestop material must be installed in accordance with the detailed instructions or the listed system.
1. Ensure that the joint area is clean, dry, and clear of any debris or obstruction.
 2. Holding the Blaze Foam with the intumescent strip facing down, compress the foam so that it can be placed within the joint between the top of the gypsum wall and the bottom of the concrete floor assembly.
 3. Continue down the length of the joint, compressing the Blaze Foam and pushing it into the joint area. To aid in installation, a putty knife or trowel may be used to compress the Blaze Foam and slide it into place.
 4. Blaze Foam can be installed flush with the outside plane of the wall or recessed against the top track runner. Ensure the intumescent strip lays flat on the top edge of the gypsum wall.
 5. Blaze Foam should be tightly butted together end to end, ensuring there is no open space between two Blaze Foam pieces for all joints, including inside and outside corners.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Graphite based on Synthetic compound	Application Temperature between	40°F – 120°F 4°C – 49°C
Colour	Black	Intumescent Properties	
Weight per unit area (EN1849-2)	1820 g/m²	Expansion Between	375°F – 1100°F 190°C – 593°C
Density (ISO 9427)	1275 kg/m³	Expansion Ratio (TR024 clause 3.1.1) Method 1 at 550°C For 30min with top loaded (HP)	125
Non Volatile (ISO 3251)	99.00%	Expansion Pressure (TR024 clause 3.1.2 method 4 at 300°C/HP)	1.391 N/mm² (13.91 Bar)
Ash Content (ISO 3451-1)	41.06%	ASTM E84	
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)	Flame Spread	N/A
Loss of Ignition (ISO 4589-2)	83.47%	Smoke Index	N/A
Flexibility (ISO 1519)	Pass	Limitations	
Total Heat Release (ISO 5660-1)	131 MJ/m²	To be used only in the tested configurations or as recommended by RectorSeal. Blaze Foam is not used in joints that require movement greater than 1".	
Insulation Efficiency (EN1363-1)	No failure observed at 25 min		
Application	Dry		
Elastomeric	Yes		
Freeze/Thaw	Excellent		
VOC	<10 g/L		
Storage & Handling			

RectorSeal Blaze Foam should be stored in a cool, dry place between 0°F (-18°C) to 120°F (49°C) to obtain a minimum 10 year shelf life. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.



Scan QR code for product details.



FIRESTOP PILLOWS

Firestop Pillows



- FEATURES**
- Easy to install
 - Re-enterable
 - Re-usable
 - Dry installation
 - Tested I.A.W ASTM E814 (UL 1479), CAN/ULC-S115, S101, S102
 - UL Classified systems up to 3 hr
 - FM Approved 3971 & 4990

For Large Temporary Openings

Metacaulk® Firestop Pillows are a unique combination of a highly intumescent graphite material, mixed with a mineral fibre blend covered in a durable PVC bag. Designed for either temporary or permanent installation, for a wide range of applications in both vertical and horizontal orientations. Metacaulk Pillows are a reusable, easy to install and have been tested in accordance with ASTM E814 (UL1479) to provide up to a 3 hour fire resistance rating.

RECOMMENDED FOR • Blank openings • Metallic pipes • Cable trays • Combustible pipes (PVC, PVC, RNC) • Insulated pipes



Code	Description	Qty
66362	2" x 9" x 6"	10
66363	3" x 9" x 6"	10



- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all contact surfaces so they are free from loose debris and contaminants.
 2. Ensure services are sufficiently supported as per approved system or local building code.
 3. Shake the pillows to make the infill material uniform before installation.
 4. Metacaulk Firestop Pillows have been tested to give a choice of two methods:
 - If wire mesh will be used, the pillows must be installed by being compressed a minimum of 20%.
 - If wire mesh will not be used, the pillows must be compressed a minimum of 30%.
 5. Push (compressed) pillow into opening so that the longest dimension is projecting through the wall. If installing into floor assembly, then mechanically fix a galvanized wire mesh to the underside of the opening with a Min. overlap of 4in. (100 mm). Always start with the largest pillow (3"x9"x6") to cover the maximum space. Use the smaller size to fill in where required. Install the pillows taking care to compress each to form a tight seal within the penetration.
 6. For electrical trunking, remove the lid and install a pillow inside so it aligns with the depth of the wall. Replace the lid on the electrical trunking.
- Refer to Safety Data Sheet for additional information.

Technical Data		
Material Properties		
Chemical Base	Graphite based on Synthetic compound (encapsulated) with Mineral wool blend	
Colour	Red	
Size	2" x 9" x 6", 3" x 9" x 6"	
Sheet Thickness		
Nominal Weight		
Density (ISO 9427)		
Non Volatile (ISO 3251)		
Ash Content (ISO 3451-1)	N/A	
Finger Print (ISO 11358/EN1767)	N/A	
Loss of Ignition (ISO 4589-2)	N/A	
Flexibility (ISO 1519)	Pass	
Total Heat Release (ISO 5660-1)	N/A	
Insulation Efficiency (EN1363-1)	N/A	
Application	Dry	
Elastomeric	No	
Freeze/Thaw	Excellent	
VOC	<10 g/L	
Storage & Handling		
Metacaulk Firestop Pillows should be stored between 0°F and 150°F. For easier installation, bring pillows to room temperature before installing. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.		
Curing Times		
N/A	N/A	
Intumescent Properties		
Expansion Begins	375°F ~ 1100°F 190°C ~ 593°C	
Expansion Ratio (TR024 clause 3.1.1.1 Method 1 at 550°C For 30min with top load (HP))	1.25	
Expansion Pressure TR024 clause 3.1.2 Method 4 at 300°C (HP)	1.391 N/mm² (13.91 Bar)	
Coverage Rates		
Estimate the number of bags required, by performing the following calculation. A) Calculate the size in square inches of the opening to be firestopped. B) Calculate the area in square inches required by the penetrating items. C) Subtract (B) from (A) and divide by the coverage shown in the chart below		
Pillow Size	30% Compression	20% Compression
3" x 9" x 6"	18.90 sq. in.	21.60 sq. in.
2" x 9" x 6"	12.60 sq. in.	14.40 sq. in.
ASTM E84		
Flame Spread	N/A	
Smoke Index	N/A	
Limitations		
To be used only in the tested configurations or as recommended by RectorSeal.		

Scan QR code for more information



Scan QR code for product details.



FIRESTOP PUTTY PADS & STICKS

FRP



FEATURES

- No Volatile solvents or asbestos fillers
- Excellent acoustic properties
- Mold inhibitor
- Primerless adhesion to most common substrates
- No electrical conductivity
- Tested I.A.W ASTM E84 (UL 723), ASTM E84 (UL 1479), CAN/ULC-S115, S101, S102, ASTM E90, ASTM G21, STC 60
- UL Classified systems up to 3 hr

Fire-Rated Putty Pads & Sticks

Metacaulk® Fire Rated Putty is a moldable, non-curing, single component, fire resistant material for membrane & through-penetration firestop systems. Metacaulk® Fire Rated Putty will carbonize when heated, forming an insulative char preventing the spread of flames, smoke, gas and water through penetration openings. Metacaulk® Fire Rated Putty is easy to apply by hand. No tools or mixing is required.

RECOMMENDED FOR • Blank openings • Metallic pipes • Single & bunched cables • Cable trays & bus bars • Membrane penetrations • Electrical boxes



Code	Description	Qty
66345	18 in" stick	12
66340	6" x 7" x 1/2" Pad	20
66335	7" x 7" x 1/2" Pad	20
66475	9" x 9" x 1/2" Pad	20



Installation Instructions

Note: Firestop material must be installed in accordance with detailed instructions or the listed system.

1. Penetrating items should be firmly secured.
2. Clean all contact surfaces so they are free from loose debris and contaminants.
3. Install the required backing material as per the detailed instructions or approved system.
4. PUTTY - Apply Metacaulk FR Putty to required parameters as per detailed instruction or approved system making sure that it is in contact with all surfaces to provide maximum adhesion.
5. PUTTY PADS - Remove liner from one side of pad and align with the side of the electrical box partially overlapping the stud and adhere.
6. Work pad to the opposite side of the box and over the edges.
7. If wall membrane is in place, pack putty into gaps between box and gypsum board slightly overlapping inner wallboard surface.
8. 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.
9. Cut slits in FR Putty pad to fit around electrical cables/conduit and press FR Putty pad firmly to all sides of the electrical box.
10. Trim excess at corners and apply to conduit fittings connected to the box if necessary.
11. Remove exposed liner.

Refer to Safety Data Sheet for additional information.

Technical Data			
Material Properties		Curing Times	
Chemical Base	Non-drying synthetic Polymers and Oils		None
Colour	Light Red /Pink		Approx 45 min. (at 77°F/25°C)
PH Value (ASTM E70-19)	6.9		Application Temperature between 40°F – 120°F 4°C – 49°C
Specific Gravity	1.48 kg.m ³		Reaction Properties
Slump (ASTM D816-82 Will not flow up to	250°F (120°C)		Reaction Begins 220°F (104°C)
Approx. expansion on setting	Nil		Coverage Rates
Non Volatile (ISO 3251)	N/A		No coverage rate required
Ash Content (ISO 3451-1)	N/A		ASTM E84
Finger Print (ISO 11358/EN1767)	N/A		Flame Spread 10
Loss of Ignition (ISO 4589-2)	N/A		Smoke Index 125
Total Heat Release (ISO 5660-1)	N/A		Limitations
STC Rating (ASTM E90)	60		To be used only in the tested configurations or as recommended by RectorSeal.
Application	Hand applied		
Freeze/Thaw	Excellent		
Fungal Growth Rating (ASTM G21)	Zero		
VOC	<10 g/L		
Storage & Handling			



Scan QR code for product details.

COMPOSITE SHEET

Composite Sheet



- FEATURES**
- Easy to install
 - Re-enterable
 - Non-magnetic
 - VOC compliant - CDPH Standard method vi-2
 - Tested I.A.W. ASTM E814 (UL 1479)
 - UL Classified systems up to 4 hr
 - Complies to UL required Accelerated Aging and High Humidity Testing

For Large Openings With Or Without Penetrating Items

Metacaulk® Composite Sheet is a rigid fire resistive panel, which is used to restore the fire integrity of floor/ceilings or walls in which large openings have been made to accommodate penetrants. Designed from a reinforced, highly intumescent material which is bonded on one side to a non-magnetic (304) stainless steel sheet, helps ensure good weather ability and virtually no inductive loss in cables. In addition to sealing penetrations through large openings, Metacaulk Composite Sheet is also used for shielding cable trays, conduit, and vital process equipment from radiant heat, flame spread and smoke. The Metacaulk Composite Sheet functions as an effective intermediate fire-break within horizontal and vertical cable tray runs and is excellent for both new and retrofit construction. When exposed to a fire, the material forms a refractory char that retards heat transmission and tightly seals penetrations against flame spread, smoke and toxic fumes. It is lightweight and can be easily installed with common trade tools. It provides up to a 4 hour fire resistance. In accordance with ASTM E814 (UL1479), ASTM E119 (UL 263), CAN/ULC S115, S101 and S102.

RECOMMENDED FOR • Blank openings • Metallic pipes • Cable trays • Combustible pipes (CPVC, PVC, RNC)



*FBC® System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to ensure its chemical compatibility with Fireguard Gold®, BlackMaster® and Corzan® piping systems and products made with Tempilite® Technology. The FBC System Compatible Logo, FBC®, Fireguard Gold®, BlackMaster®, Corzan® and Tempilite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

Code	Description	Qty
66320	36" x 36"	1



- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all joints or openings and penetrating items in the sealing area to remove loose debris, dirt, oil, wax, grease, old caulking, etc.
 2. Cut the Metacaulk Composite Sheet to overlap the opening by a min. 2 in. (50 mm) on all sides.
 3. Contour around penetrating items, allowing a max annulus of 3/8 in. (10 mm) gap.
 4. Apply a layer of either Joint Strip or FR Putty under intumescent sheet around entire perimeter before securing.
 5. Secure the composite sheet with min 3/8 in. (10 mm) x 1-1/4 in. (32 mm) steel masonry fasteners and steel fender washers, spaced at 6 in. (150 mm) centers.
 6. Install the Composite Sheet with its steel side exposed (facing outward).
 7. Apply a 1/2 in. (12 mm) bead of Metacaulk Putty or Metacaulk 1000 at the interface of the penetrating item and Composite Sheet.

Refer to Safety Data Sheet for additional information.

Technical Data				
Material Properties		Intumescent Properties		
Chemical Base	Graphite based on Synthetic compound (encapsulated)		Expansion Begins	375°F ~ 1100°F 190°C ~ 593°C
Colour	Silver		Expansion Ratio	1.25
Sheet Size	36" X 36"		Expansion Ratio (TR024 clause 3.1.11 Method 1 at 550°C For 30min with top load /HP)	
Sheet Thickness	0.15 ±.05"		Expansion Pressure	1.391 N/mm² (13.91 Bar)
Nominal Weight per sheet	4.8 lb (2.17kg)		Expansion Pressure (TR024 clause 3.1.12 method 4 at 300°C /HP)	
Density (ISO 9427)	1275 kg/m³		ASTM E84	
Non Volatile (ISO 3251)	99.00%		Flame Spread	N/A
Ash Content (ISO 3451-1)	41.06%		Smoke Index	N/A
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)		Limitations	
Loss of Ignition (ISO 4589-2)	83.47%		Metacaulk Composite Sheet is not designed to be used in the areas under continuous immersion or in areas which would be continuously wet. Metacaulk Composite Sheets should not be used against a hot uninsulated surface above 300°F.	
Flexibility (ISO 1519)	Pass			
Total Heat Release (ISO 5660-1)	13.1 mj/m²			
Insulation Efficiency (EN1363-1)	No failure observed at 25 min			
Application	Dry			
Elastomeric	No			
Freeze /Thaw	Excellent			
VOC	<10 g/L			
Storage & Handling				
Metacaulk Composite Sheet should be stored in a clean, dry place.				



Scan QR code for product details.



METACALK FIRE RATED MORTAR

Metacaulk® Fire Rated Mortar

Fire Rated Mortar For Large Openings



- FEATURES**
- Non sag
 - Freeze-thaw capabilities
 - Mold inhibitor
 - High yield
 - VOC compliant - LEED-NC, CS, CI
 - 2 year shelf life
 - Tested I.A.W ASTM E814 (UL 1479), CAN/ULC-S15, S101, S102
 - UL Classified systems up to 4 hr

Metacaulk® Fire Rated Mortar is a specially formulated rapid hardening gypsum/ cement compound, that provides the optimum combination of workability, strength and fire resistance. When mixed with clean water to the required consistency, the Metacaulk FRM sets without shrinking to form a rigid, gas tight, fire resistant seal. Tested in accordance with ASTM E814 (UL 1479) and ULC-S15-95 standards can provide up to 4 hr fire resistance on a wide range of firestop penetrations where they pass through fire rated walls or floor assemblies. Can easily be cut or drilled and resealed if future penetrants are needed. No special tools are required to mix or install the product. Metacaulk Fire Rated Mortar systems are rated for up to 4 hours.

Metacaulk Fire Rated Mortar is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

RECOMMENDED FOR • Metallic pipes • Insulated pipes • Insulated air duct • Single & bunched cables • Cable trays & bus bars



Code	Description - (Red)	Qty
66334	45 lb (20 kg) Bag	1



Installation Instructions

- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Clean all joints or openings and penetrating items in the sealing area to remove loose debris, dirt, oil, wax, grease, old caulking, etc.
 2. Mix with clean water in a suitable container. Slowly add the dry mortar mix to water while stirring by hand, or by power mixer, to ensure a smooth lump free mix. (Pourable for Floor Openings = 2-1/2 : 1), (Stiff for Wall Openings = 3 : 1).
 3. WALL OPENINGS: For small holes and gaps, trowel a stiff mix into the opening to the desired depth. For larger holes, use an appropriate damming* material to support the mix until it sets.
 4. FLOOR OPENINGS: When sealing holes in floor slabs, an appropriate damming material must be installed prior to pouring in the mortar mix. Panels of damming* materials should be cut to fit tightly around penetration within the opening so as to avoid leakage of the mortar mix during pouring.

Refer to Safety Data Sheet and packaging instructions for additional safety information.

Technical Data	
Material Properties	
Chemical Base	Gypsum / Cement
Colour	Light Red
PH Value (ASTM E70-19)	6.9
Dry Density (ASTM E605 / E605M-19)	880 Kg/m ³ (54.9 pcf)
Wet Density (ASTM D1475-13 (2020))	1370 Kg/m ³ (85.5 pcf)
Bulk Density (ASTM D7481-18)	665 Kg/m ³ (41/5 pcf)
Approx. expansion on setting	0.10%
Non Volatile (ISO 3251)	
Ash Content (ISO 3451-1)	
Finger Print (ISO 11358/EN1767)	
Loss of Ignition (ISO 4589-2)	
Total Heat Release (ISO 5660-1)	
Insulation Efficiency (EN1363-1)	
Application	Trowel or Pour
Freeze/Thaw	Excellent
Fungal Growth Rating (ASTM G21)	Zero
VOC	<10 g/L
Storage & Handling	
Metacaulk FRM should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 2 year shelf life.	
Best if protected from freezing. If freezing occurs, thaw completely before using. Keep products stored under protective cover in original containers.	
Curing Times	
Workable pot life	Approx 45 min. (at 77°F/25°C)
Set Hard	3 to 4 hours (at 77°F/25°C)
Fully Cured	28 Days
Application Temperature between	40°F – 120°F 4°C – 49°C
Structural Properties	
Compressive Strength (ASTM E761/761M 92(2015)en1)	41000 kPa
Average Pull out Strength (BS 1881 Part 207:1992) N/mm ²	212 N/mm ² (307 psi)
Crushing Strength WET	5 N/mm ² (700 psi)
Coverage Rates	
45 lb Bag	2:1 mix ratio 1500 in ³
45 lb Bag	3:1 mix ratio 1350 in ³
ASTM E84	
Flame Spread	N/A
Smoke Index	N/A
Limitations	
Metacaulk FRM is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk FRM should not be used on hot uninsulated surfaces above 200°F (93°C).	

*Damming materials can be made from various materials, e.g. insulation, hard foam, wood, bucker red, etc. - either combustible or noncombustible. Combustible damming material is usually removed after the mortar mix has set. Non-combustible damming materials can be left in place. However, the specifier or the local authority having jurisdiction may require a specific type of or the removal of a particular damming material. If damming material is to be removed, a suitable bond breaker (e.g. plastic sheeting) should be used between the mortar mix and the damming material.



Scan QR code for product details.



CABLE COATING

C70 Industrial Cable Coating



- FEATURES**
- Water-based acrylic
 - Low odor
 - Asbestos, halogen & solvent free
 - Internal & external applications
 - Water, weather & UV resistant
 - No ampacity reduction (No cable derating)
 - High yield
 - Cures to a flexible seal

Fire Protection for Power Cables

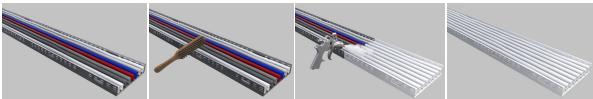
Metacaulk® C70 Industrial Cable Coating is a water-based acrylic sealant which is suitable for internal and external applications. The product is ablative and designed to prevent vertical or horizontal flame propagation along single, grouped communication and/or power cables.

Metacaulk C70 Industrial Cable Coating is halogen free and does not contain solvents, plasticizers, asbestos, or other hazardous inorganic fibers. It is a ready-to-use, heavy duty spray coating which is specifically designed for use in industrial and utility applications. It is Factory Mutual (FM) approved and is virtually unaffected by radiation exposure and does not require an additional protective over coating.

RECOMMENDED FOR • Single & bunched communication cables • Power cable • Cable trays



Code	Description	Qty
50250	5 gal (19 L) gray spray	1
50253	5 gal (19 L) white spray	1



Installation Instructions

- Note: Firestop material must be installed in accordance with detailed instructions or the listed system.
1. Cables and cable supporting structures must be dry and free from dust, grease or oil and installed in compliance with local building and electrical standards.
 2. Thoroughly mix the Metacaulk C70 Industrial Cable Coating. Any separated water in the container must also be mixed in. DO NOT ADD WATER OR ANY THINNING COMPONENT.
 3. Apply Metacaulk C70 Industrial Cable Coating to all areas of the cables and cable run over the required length. This can be done using a paint brush, roller or airless spray- (For Sprayer details please refer to Product Data Sheet).
 4. Apply Metacaulk C70 Industrial Cable Coating in thin layers. If applying more than one coat, allow 2 to 4 hours drying time between coats. Apply coating to the specified thickness in order to obtain the desired rating, as per the tested system.

Refer to Safety Data Sheet for additional information.

Technical Data		
Material Properties		Curing Times
Chemical Base	Water-Based Acrylic	Application Temperature
Colour	White / Gray	between 40°F – 120°F 4°C – 49°C
pH	8 to 10	Coverage Rates
Density (ISO 9427)	N/A	18.5 ft ² /gal (0.45 m ² / L)*
Non Volatile (ISO 3251)	N/A	*Based on 0.635 in (63 mils or 1.6 mm) dry coating thickness
Ash Content (ISO 3451-1)	N/A	ASTM E84
Finger Print (ISO 11358/EN1767)	N/A	Flame Spread
Flash Point	>212°F/100°C	N/A
Flexibility (ISO 1519)	Pass	Smoke Index
Ampacity reduction	None (Based on 0.125 in (3.2 mm) dry coating thickness)	N/A
Vapor permeability (ASTM E96)	9.32 Perms	Limitations
Application	Spray or brushed	Metacaulk C70 Industrial Cable Coating is not designed to be used in areas under continuous immersion. Care should be taken to insure that application is made within appropriate application temperatures and that the in service temperature is not exceeded. PROTECT FROM FREEZING
Flexible	Yes	
Freeze/Thaw	Protect from Freezing	
VOC	<10 g/L	
Storage & Handling		
Metacaulk C70 Industrial Cable Coating should be stored between 40°F (4°C) and 90°F (32°C) under protective cover in their original unopened containers. When properly stored in unopened containers, Metacaulk C70 Industrial Cable Coating has a minimum 2 year shelf life subject to re-inspection. PROTECT FROM FREEZING.		



Scan QR code for product details.



ELECTRICAL OUTLET FIRESTOP

Metacaulk® Box Guard™ and Cover Guard™



- FEATURES**
- Easy to install
 - Cost effective
 - Good sound insulator
 - Highly intumescent
 - Non-conductive
 - Dielectric Breakdown Voltage 22V/ mil (ASTM D149)
 - STC Rating 53
 - Complies to UL required Accelerated Aging and High Humidity Testing
 - VOC Compliant - CDPH Standard Method v1.2
 - Tested in accordance with UL 263/ ASTM E119 and ASTM E814 (UL 1479), CAN/ULC S115, S101 and S102

Fire-rated pad and gasket for electrical boxes

Metacaulk® Box Guard™ and Cover Guard™ are a single component, highly intumescent, graphite-based composition which has been designed for use with electrical boxes.

Metacaulk Box Guard is simply inserted on the inside back wall of a metallic electrical box prior to cable installation and held in place with a pre-installed adhesive tape. If access is restricted, then the Metacaulk Cover Guard can easily be fitted as a gasket prior to the electrical box cover plate being installed. When used as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in (600 mm), and the Metacaulk Cover Guard can also be used as a solution for standard electrical boxes when the 100 sq. in. (0.6 sq M) rule has been violated.

Tested in accordance with ASTM E814 (UL1479), ASTM E119 (UL 263) standard to provide up to a 2 hr fire resistance rating.

RECOMMENDED FOR • Metallic electrical boxes

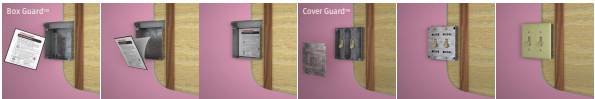
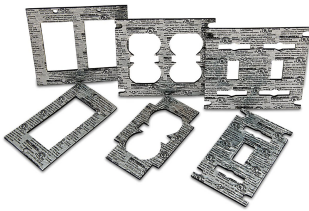
BOX GUARD

Code	Description	Qty
66366	Single box – 1-13/16" x 2-13/16" x 1/4" (47 mm x 71 mm x 6 mm)	50
66367	Double box – 3-1/4" x 3-11/16" x 1/4" (94 mm x 95 mm x 6 mm)	50
66369	4-1/8" x 4-7/8" x 1/4" (111 mm x 111 mm x 6 mm)	50



COVER GUARD

Code	Description	Qty
66270	Double receptacle	50
66272	Single receptacle	50
66274	Double switch	50
66276	Single switch	50
66265	Single decor	50
66266	Double decor	50



Installation Instructions

Note: Firestop material must be installed in accordance with detailed instructions or the listed system.

1. Clean all contact surfaces so they are free from loose debris and contaminants.
2. Metacaulk® Box Guard™
 - A. Remove protective paper from tape and stick pad to inside back wall of electrical box
 - B. Center pad from top and bottom of box. Install switch, or outlet.
 - C. If necessary, a maximum 3/8" hole may be created or the pad may be slit from one edge to allow easier access to the electrical box ground screw.
3. Metacaulk® Cover Guard™
 - A. Place aluminum foil side of Metacaulk Cover Guard against inside of electrical face plate.
 - B. Do not remove any material, film or foil from Metacaulk Cover Guard.
 - C. Install face plate with Metacaulk Cover Guard over switch or receptacle and secure face plate with screws.

Make sure installation complies with NEC 314.16 or other applicable codes.
Refer to Safety Data Sheet for additional information.

Technical Data

Material Properties		Curing Times	
Chemical Base	Graphite based on Synthetic compound	Application Temperature	between 40°F – 120°F 4°C – 49°C
Colour	Black	Intumescent Properties	
Weight per unit area (EN1849-2)	7737 g/m²	Expansion	between 375°F – 1100°F 190°C – 593°C
Density (ISO 9427)	1334 kg/m³	Expansion Ratio (TR024 clause 3.111 Method 1 at 550°C For 30 min with top load/ HP)	1:20
Non Volatile (ISO 3251)	98.60%	Expansion Pressure (TR024 clause 3.112 method 4 at 300°C /HPP)	1.330 N/mm² (13.3 Bar)
Ash Content (ISO 3451-1)	42.61%	Volume	
Finger Print (ISO 11358/EN1767)	Ethylene/Vinyl Acetate (copolymer 40% vinyl acetate)	Volume specific to electrical box and cover plate requirement.	
Loss of Ignition (ISO 4589-2)	82.89%	ASTM E84 (for Box Guard)	
Flexibility (ISO 1519)	Pass	Flame Spread	0
Total Heat Release (ISO 5660-1)	17.3 mj/m²	Smoke Index	20
Insulation Efficiency (EN1363-1)	No failure observed at 25 min	Limitations	
Asbestos Fillers	None	To be used only in the tested configurations or as recommended by RectorSeal.	
Solvents	None		
Hazardous Ingredients	None		
Application	Dry		
Elastomeric	Yes		
Freeze/Thaw	Excellent		
VOC	<10 g/L		
STC Rating (ASTM E90)	53		
Storage & Handling			
Metacaulk Box Guard & Metacaulk Cover Guard should be stored in a dry environment. A stock rotation program is recommended.			



Scan QR code for product details.



EXPANDING POLYURETHANE FOAM

Draft-Block™ Orange

Expanding polyurethane foam for utility penetrations



FEATURES

- Identifiable orange colour
- Expands 3X
- Tack-free in approx. 45 min.
- No urea or formaldehyde
- Completely dielectric
- UL Evaluation Report ER40378-01
- Meets ASTM E84
- Meets ASTM E814 (Modified)



APPLICATION • Draft-Block Orange has a recognized orange colour allowing inspectors to identify the use of an approved fireblock product for Type V residential construction.

- Blocks flames and smoke in concealed penetrations, preventing flame spread from room to room and floor to floor, with the foam's expansion characteristics.

RECOMMENDED FOR • Type V residential construction

- Excellent filler which bonds and insulates • Filling voids, cracks, crevices and small cavities on flat or irregular surfaces
- Reducing sound transmission



Code	Description - (Red)	Qty
96495	12 oz. aerosol	12



FIRESTOP ACCESSORIES

Draft-Block™

General purpose expanding polyurethane foam

Code	Description - (Red)	Qty
96500	12 oz. aerosol	12



FEATURES

- Expands 3X
- Tack-free in approx. 45 min.
- No urea or formaldehyde

APPLICATION • Excellent filler which bonds and insulates • Fill voids, cracks, crevices and small cavities on flat or irregular surfaces • Reduces sound transmission • Completely dielectric



Caulking Guns

Cartridge & sausage

Code	Description - (Red)	Qty
66114	10.3 oz. gun	1
66115	30 oz. gun	1
66116	20.2 oz. Foil Pack (Sausage) gun	1
66117	Replacement tips	25

FEATURES

- Industrial grade



Universal Collar

For concrete, wood & gypsum

Code	Description - (Red)	Qty
66091	2" x 50' roll	1
66095	1" x 50' roll	1

FEATURES

- Galvanised steel



Foam Backer Rod

Fills gaps prior to sealing

Code	Description - (Red)	Qty
66112	1" x 75'	1

FEATURES

- Easy-to-use



APPLICATION OVERVIEW

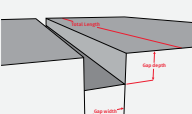
Application										Test to							Marks						Page
Product										ASTM E84	ASTM E814	ASTM E1966	ASTM E2307	ASTM G21-13	CAN/ULC-S115, S101 & S102	ASTM E90	cUL	ULus	FM	FBC	Inter-Tek	Clean Air GOLD	
	Metallic Pipes	Combustible Pipes	Cables	Cable Trays	Insulated Pipes	Air Ducts	Mix / Multi Penetrations	Joints	Perimeter Joints														
Metacaulk 150+	✓	✓	✓	✓	✓	✓	✓	✓	-	x	x	x	-	x	x	x	x	x	x	x	-	x	08
Metacaulk 1000	✓	✓	✓	✓	✓	✓	✓	✓	-	x	x	x	-	x	x	x	x	x	x	x	x	x	10
Metacaulk 1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	12
Metacaulk 350i	✓	-	✓	✓	✓	✓	✓	✓	-	x	x	x	x	x	x	x	x	x	x	x	x	x	14
Metacaulk 835+	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	16
Metacaulk SAS	✓	-	-	-	-	-	-	✓	-	x	-	-	-	x	-	x	x	-	x	-	-	x	18
Metacaulk Cast-In-Place Device	✓	✓	✓	-	✓	-	✓	-	-	x	x	-	-	-	x	-	x	x	x	x	-	x	22
Metacaulk Wrap Strip	-	✓	✓	✓	✓	-	✓	-	-	x	x	-	-	-	x	-	x	x	x	x	-	x	24
Metacaulk Joint Strip	-	✓	-	✓	✓	✓	✓	✓	-	x	x	x	-	-	x	-	x	x	x	-	-	x	26
Metacaulk Firestop Collars	-	✓	✓	-	✓	-	✓	-	-	x	x	-	-	-	x	-	x	x	x	x	x	x	28
Metacaulk Intumescent Sleeve	-	✓	-	-	✓	-	✓	-	-	x	x	-	-	-	x	-	x	x	-	-	-	x	30
Metacaulk BlazeSeal	-	✓	-	✓	✓	✓	✓	✓	-	x	x	x	-	-	x	-	x	x	x	-	-	x	32
Metacaulk Blaze Foam	-	-	-	-	-	-	-	-	-	x	-	x	-	-	-	-	x	x	-	-	-	-	34
Metacaulk Firestop Pillows	✓	✓	✓	-	✓	-	✓	-	-	x	x	-	-	-	x	-	x	x	x	x	-	x	36
Metacaulk FRP Fire-Rated Putty	✓	-	✓	✓	-	-	✓	-	-	x	x	-	-	x	x	x	x	x	x	-	-	x	38
Metacaulk Composite Sheet	✓	✓	✓	✓	✓	✓	✓	-	-	x	x	-	-	-	x	-	x	x	x	x	-	x	40
Metacaulk FRM Fire-Rated Mortar	✓	✓	-	-	-	-	✓	-	-	x	x	-	-	-	x	-	x	x	-	-	-	-	42
Metacaulk C70 Cable Coating	-	-	-	✓	-	-	-	-	-	x	-	-	-	-	-	-	-	-	x	-	-	-	44
Metacaulk Box Guard Metacaulk Cover Guard	✓	-	-	-	-	-	-	-	-	-	x	-	-	-	-	-	x	-	x	-	x	-	46

Calculation of material consumption

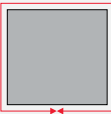
NOTE: ALL MEASUREMENTS SHALL BE IN EITHER INCHES OR MILLIMETERS

a = Area of opening
b = Depth of product (see listed system)
c = Penetrant dimension (L x W or πr^2 - total area added together)
d = Annular space (see listed system)
e = Product packaging size (cartridge/ bucket)
f = Volume of material per application (if using mm $\div$ 1,000 for ml / if using in. $\div$ 1.805 for fl Oz)
g = Number of holes
h = Height / depth of square opening/joint
l = Length of square opening/joint
w = Width of square opening/joint
x = Quantity of product per application
z = Total quantity

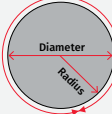
Caulk / Sealant / Coating :



Linear joints
Area of joint : $a = L \times W$
Mastic volume : $f = ((a - c) \times b) \div 1000$ ml
No. of cartridges / buckets : $x = (f \div e)$



Square holes
Area of hole: $a = a^2$
Area of penetrant : $= c$
Mastic volume = $f = ((a - c) \times b) \div 1,000$ ml
No. of cartridges / buckets : $x = (f \div e)$
Total quantity : $z = (x \times g)$



Round holes
Area of hole : $a = \pi \times (a \div 2)^2$ mm²
Area of penetrant : $= c$
Mastic volume : $f = ((a - c) \times b) \div 1,000$ ml
No. of cartridges needed : $x = (f \div e)$
Total quantity : $z = (x \times g)$

FR Mortar

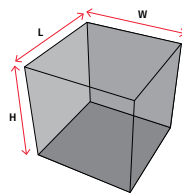
45lb bag (20.4 kg) yield 1350cu in. (22.1 litres) **3:1** Ratio
45lb bag (20.4 kg) yield 150cu in. (24.6 litres) **2:1** Ratio

Blank opening

Area of opening : $a = L \times W \times H$
Number of bags required: $z = (a \div 22,100) \div 1000 =$ No. bags

Opening with area of services

Note: Determine percentage of cross sectional ie 30, 40 50%
Area of opening : $a = L \times W \times H \times 0.7, 0.6, 0.5$
Number of bags required: $z = (a \div 22,100) \div 1000 =$ No. bags



FIRESTOP DIVISION

RectorSeal provides industry-leading digital and print support materials for its extensive chemical and mechanical solutions that include:

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