RECTORSEAL

Charter Member IFC International FireStop Council

CLASSIFIED cULus FBC SYSTEM COMPATIBLE FM APPROVED

PRODUCT DATA SHEET

METACAULK® 1200, 1200SL, 1200 CAULK GRADE

Spray & caulk firestop mastic

1. Product Description

All three grades of Metacaulk® 1200 are a single component, general purpose fire rated sealant for construction joints such as top of the wall, curtain wall perimeter, expansion, control, etc. and for general construction gaps and voids. Metacaulk® 1200 is a water based sealant that comes in three different grades. Metacaulk® 1200 mastic grade is designed for spray applications and provides a fast, economical means of installation on long joint runs. Metacaulk® 1200 Self-leveling (SL) sealant is made for horizontal applications where quick installation is necessary. Metacaulk® 1200 caulk grade is a non-sag sealant that is easy to apply from a caulk gun or troweled. It cures to an elastomeric membrane seal that is suitable where dynamic movement is expected. In the event of a fire, Metacaulk® 1200 will prevent the spread of flames, smoke, hot gases and water through the joint openings. No dilution or mixing is required for use. Metacaulk® 1200 can be caulked from a tube, brushed or troweled from the pail, applied with a spray pump or poured. Metacaulk® 1200 systems are rated for up to 4 hour conditions in accordance with ASTM E1966/UL 2079 (Tests for Fire Resistance of Building Joint Systems) test standards. Metacaulk® 1200 has been cycled 500 times, meeting the new ASTM E 1399 standard. Also tested in accordance with ASTM E 814 (UL1479) for systems up to 4 hours. **Metacaulk® 1200 is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.**

Use Metacaulk® 1200 for various applications:

Curtain Wall Joints

HVAC Ductwork

Top of the Wall Construction Joints

Deflection Track Wall Systems

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

Metacaulk® 1200 Features

- Sprayable, Brushable, Trowelable, Caulkable or Pourable
- Freeze-thaw
- Water based
- Flexible - Elastomeric
- Paintable
- VOC Compliant
- Excellent Smoke Seal
- Minimum 3 Year Shelf Life

2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Application	Spray, Caulk, Brush or Trowel
Application temperature	between 40˚F - 120˚F 4˚C - 49˚C
Color	Red or White
Cure Time	5 to 7 days [1/8" at 77˚F (25˚C)]
Density	10.5 lbs./gal.
Flexible	Yes



Skin Over Time	30 - 45 min. [at 77˚F (25˚C)]
pH Value	7 to 8

Volume Coverage (at 1/8" wet depth):

Per Square Foot	18 cu. in.
Per 20.2 oz	36 cu. in.
Per 30 oz.	54 cu. in.
Per Quart	58 cu. in.
Per 5 gallon pail	1155 cu. in.

VOC	Negligible

ASTM E 84, UL 723 Tunnel Test

Flame Spread	0
Smoke Index	0

STC Rating 65*

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

ASTM G21

Testing for mold and mildew growth resistance

Tested by a third party independent laboratory to the ASTM G21-13 standard with Fungal Growth Rating results of zero.

3. Applications

Metacaulk® 1200 can be used as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces. Metacaulk® 1200 is also an excellent fire rated acoustical sealant and can be used in areas under constant vibration or movement.

4. Installation Data

Tightly pack with the appropriate backing material as listed in the selected UL System design. There should be no loose insulation, voids or gaps present. Apply the required coating thickness to completely cover backing material.

Consult UL Directory for complete instructions and system listings.

For Metacaulk® 1200 spray application, use recommended spray equipment. Contact Technical service at 1-800-231-3345 for current recommendations.

When system clean up is needed, follow manufacturer's instructions for specific equipment used.

NOTE: SPRAY EQUIPMENT CAN BE DANGEROUS! USE ONLY PROPERLY TRAINED PERSONNEL. FOLLOW ALL SAFETY AND OPERATION INSTRUCTIONS AND PROCEDURES.

Spray application of Metacaulk 1200 Spray requires airless spray equipment meeting the following specifications:

Working Pressure: Min. 2500 PSI (172 Bar)

Delivery: Min. .72 U.S. gpm (2.7 l/min.)

Recommended Spray Tip Orifice: 0.021 to 0.025 (0.53 to 0.64 mm)

Recommended Wetted Parts All seals and contact surfaces suitable for contact with latex emulsions.
A minimum 3/8″ (9.5 mm) fluid line is required, a 1/2″ (13 mm) line is preferred. Consult pump manufacturer for long hose runs or lifts to higher elevations. A reversible spray tip is recommended. A 6″ (152 mm) fan pattern is suggested to minimize overspray. The following airless spray equipment has demonstrated suitability for application of this product.

Manufacturer Model Number & Description
Titan Tool Inc. 740ix Electric Airless Sprayer
Graco Inc. Ultra Max II 695 Electric Airless Sprayer

5. Testing Data

Metacaulk® 1200 has been listed by UL. For UL classified system numbers, see above. Additional listings can be obtained by calling RECTORSEAL. For specific test criteria, refer to the UL Fire Resistence Directory or call RECTORSEAL.

Metacaulk® 1200 was tested at positive pressure with a minimum 0.01 inches (2.5 Pa) water and in accordance with UL 2079 test standards.

6. Storage & Handling

Metacaulk® 1200 should be stored in unopened container between 35˚(2˚C) and 120˚F (49˚C) to obtain a minimum 3 year shelf life. NOTE: Do not dilute; no mixing is required. Best if protected from freezing. If freezing occurs, thaw completely before use. Keep products stored under protective cover in original containers.

7. Availability

Metacaulk® 1200 is available in 5 gallon pails, 30 oz tube, quart bottles, and 20.2 oz sausage packs.

8. Limitations

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). Self Leveling (SL) can not be used on vertical applications.

9. Cautions

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

PRECAUTIONS: Do not take internally. May be harmful if swallowed. May cause eye and skin irritation. Wear gloves and safety glasses. Wash after handling. **FIRST AID:** For any overexposure or if skin irritation develops get immediate medical attention. **Eyes -** Flush 15 minutes with clean water. **Skin -** Wash with soap and water. **Ingestion -** Call physician immediately **SPILLS:** Clean up immediately with scrapers and water. **STORAGE AND HANDLING:** Keep container upright and tightly closed. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Material Safety Data Sheet.

For additional technical service,
call: 713-263-8001 or 1-800-231-3345
fax: 713-263-7577 or 1-800-452-2824

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METACAULK® 1200 COVERAGE RATE:

NOTE: Coverage rates as given are mathematical calculations. Allow for application losses, opening size variations and applied thickness variations. (Verify all calculations)

Based on 3" fluted metal deck with 3/4" relief joint.

Opening Width (inches)	*Coverage Rate in Lineal Feet Per Gallon at Application Thickness of: 1/8 inch
1/2	102
3/4	88
1	77
1 1/2	61
2	51
2 1/2	44
3	38
3 1/2	34
4	30
5	25
6	22

* Calculation includes 1/2" overlap along both edges of opening

10. LIMITED WARRANTY

RectorSeal, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RECTORSEAL, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal, LLC shall not be liable for incidental or consequential damages.

Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.