

PRODUCT DATA SHEET

June 2001

Metacaulk® 1200 Caulk Grade Fire Rated Construction Joint Sealant

Classified System Numbers

HWD 0032, HWD0127, HWD0129, HWD1022, HWD0118, FWD1022, HWD0032, HWD0058, HWD0104, HWD1020, WL7047, WJ7026, CWS2015, CWS2017 and CWS2019



1. Product Description

Metacaulk® 1200 Caulk Grade is 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 Caulk Grade is a water based, non-sag sealant that is easy to apply. It cures to an elastomeric membrane seal that is suitable where dynamic movement is expected. In the event of a fire, Metacaulk® 1200 Caulk Grade 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 Caulk Grade systems are rated for up to 3 hour conditions in accordance with the 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 2 hours.

Use Metacaulk® 1200 Caulk Grade 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 Caulk Grade

Features

- Freeze-thaw
- Water based
- Flexible - Elastomeric
- Paintable
- VOC Compliant
- Excellent Smoke Seal

- Minimum 2 Year Shelf Life

2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Application	Caulking Gun or Trowel
Color	Red
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:	
Per 30 oz. tube	54 cu. in.
Per Gallon	12.8 sq. ft. @ 1/8" depth
Per 5 gallon Pail	1155 cu. in.
VOC	Negligible

ASTM E 84, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	5

3. Applications

Metacaulk® 1200 Caulk Grade can be used as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces. Metacaulk® 1200 Caulk Grade 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 (properly oriented) as listed in the selected UL System design. The packed insulation should be flush with or slightly bulged out from the wall surface or recessed into the joint as may be required by the system design or by manufacturer's recommendations. There should be no loose insulation, voids or gaps present. Caulk to required coating thickness. Completely cover mineral wool and coat a minimum 1/2" (or as recommended) beyond on all surrounding surfaces. Trowel smooth if desired.

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 Resistance Directory or call RECTORSEAL.

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

Tested to ASTM: E 90-97 for STC rating.

6. Storage & Handling

Metacaulk® 1200 Caulk Grade should be stored in unopened container between 35° (2°C) and 120°F (49°C) to obtain a minimum 2 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 Caulk Grade is available in 30 ounce tubes.

8. Limitations

Metacaulk® 1200 Caulk Grade is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. Metacaulk® 1200 Caulk Grade should not be used on hot uninsulated surfaces above 200°F (93°C).

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 CAULK GRADE 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 makes the Limited Express Warranty that at the date of delivery this product will be free from defects in RectorSeal materials and workmanship. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RECTORSEAL. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal shall not be liable for incidental or consequential damages.

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