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HoldRite HydroFlame™ 200 Sealant Specification Sheet/Drawing

HoldRite HydroFlame™ 200 is an elastomeric water based single component non-sag highly intumescent firestop sealant. It is convenient in areas and conditions where dynamic movement is expected. An ideal firestop sealant for new and existing penetrations through interior rated gypsum, concrete, and block walls as well as rated concrete floors, concrete over metal decking floors, and wood floor ceiling assemblies. When properly installed, HydroFlame™ 200 will prevent the passage of smoke, gasses, and flames through openings around penetrating items. HydroFlame™ 200 is ready to be dispensed out of the package and does not require thinning or mixing. It is simple to install and can be dispensed out of any standard caulking gun or bulk loader that is designed for 10, 20, or 30-ounce packaging as well as 5-gallon buckets. It can also easily be troweled out of a 5-gallon bucket. HydroFlame™ 200 UL systems are rated up to 4 hours as tested in conformance to ASTM E814, ANSI/UL 1479 AND CAN/ULC-S115.



Product information:

• **Material Properties:** HydroFlame™ 200 sealant does not contain any solvents, asbestos fillers or hazardous materials. Application Temp 40°F (4°C) - 120°F (49°C), Intumescent expansion begins at 375°F (190°C) and is at greatest between 575°F (302C) - 1100°F (593°C). Cure Time: 3-4 weeks at 77°F (25°C). Density: 11 +/- 0.5 lbs./gal. (1.32 kg/L). Skin over time: 30 minutes 77°F (25°C). Product color RED. ASTM G21 Mold resistant: Tested by third party independent laboratory in a wet and dry stage determined zero mold and fungal growth. Elastomeric and flexible. PH Value 6.5 - 7. Density 10.5 +/- 0.5 lbs./gal. Freeze/thaw -- exceptional. VOC 10 g/L. Volume coverage: 10.3oz. cartridge = 304ml, 18 cu. in., or 295cc. Volume coverage: 5-gallon buckets = 1155 cubic inches or 5,000cu. cm/L.

• **Application:** HydroFlame™ 200 sealant when properly installed will prevent the passage and migration of smoke, toxic gases, and flames through wall and floor assemblies where through penetration firestop systems are installed. It can be used on a variety of combustible plastic and noncombustible pipes or insulated pipes including open PVC, CPVC and XFR up to 2-inch and on closed PVC, CPVC, PP and ABS up to 3-inch. Sealant can also be used on cross-linked Polyethylene (PEX) tubing, PVDF, steel, copper, cast iron, EMT pipes and communication/telephone cables, insulated pipes including Armaflex® and Fiberglass, and HVAC ductwork. HydroFlame™ 200 is a flexible firestop sealant so it can be used in areas where vibrations or other movements occur or are expected.

- **Availability:** HydroFlame™ 200 is available in the following four sizes: 10.3oz. cartridges (304ml), 20.2oz. sausages (597ml), 30oz. quart cartridges (887ml), and 5-gallon buckets (18.9L).

- **Limitations:** HydroFlame™ 200 should not be used in areas exposed to exterior applications where UV exposure is present. HydroFlame™ 200 should not be used in areas exposed to excessive moisture or is constantly wet. It should not be used in places where standing water is present. In addition, HydroFlame™ 200 should not be used on extremely hot uninsulated penetrations or on surfaces that will be excessively hot above 300° (149°C).

- **Storage & Handling:** HydroFlame™ 200 should be stored between 35°F (2°C) and 120°F (49°C) to obtain a 3-year shelf life, subject to inspection. 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.

Testing Data: For detailed testing data and criteria please refer to UL's (Underwriters Laboratory) Fire Resistance Directory. HydroFlame 200 was tested at positive pressure with a minimum 0.01 (2.5 Pa) inches water and in accordance with ASTM E814 (UL 1479), ASTM E1966 (UL 2079) and CAN/ULC-S115. Sound Transmission Class (STC) 66 - The test was performed in accordance with ASTM E90, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements. ASTM G21 Mold resistant: Tested by third party independent laboratory in a wet and dry stage determined zero mold and fungal growth. ASTM E84 (UL 723 Tunnel Test). Flame Spread = 0. Smoke Index = 0. This product is Clean Air Gold certified.

- **Compatibility:** "FBC™ System Compatible indicates that these products 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." "The FBC Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan®, and TempRite® are trademarks of Lubrizol Advanced Materials Inc. or its affiliates."

- **Features:** HydroFlame™ 200 is flexible (Elastomeric). Low VOC. Paintable. Water based. Excellent freeze-thaw. High performance intumescent. 3-Year shelf life. FBC™ System Compatible. Easily dispensed (caulking gun or trowel). G21 testing for obstruction of mold growth. This product is Clean Air Gold certified.

- **Installation Data:** Do not thin or mix with water or other liquids. Store product between 35°F (2°C) and 120°F (49°C). Avoid freezing temps and thaw completely if product freezes. Step 1: Create opening in substrate and install penetrating item(s) in accordance with local standards and building codes. Step 2: Choose desired UL drawings to install. Step 3: Clean all wall or floor substrate and penetrant surfaces. Ensure surfaces are free from any dust, debris, wax, oil, moisture and other contaminates. Step 4: Install backing material if required UL by system. Step 5: For maximum performance make sure sealant is at room temp and not below 40°F (4°C). Step 6: Determine bead size and cut the end of the nozzle to the desired width if a standard 10 or 30-ounce cartridge is being used. Use an appropriate 20-ounce caulking gun if the sausage pack is being installed or trowel product into place manually or use an appropriate bulk loading caulking gun dispenser or a trowel if the 5-gallon bucket is used. Install sealant within annular space to UL system required depth. Install around penetrating item(s) flush to substrate surface. Step 7: Tool the sealant if necessary, with a clean damp knife or trowel. Step 8: When finished, clean all tools promptly with water. Seal any unused material to prevent pre-mature curing in container.

- **Warranty:** HoldRite HydroFlame™ offers a limited 2-year warranty on all firestop products free from defects in material and workmanship. Please see HoldRite website www.holdrite.com for complete and official warranty information.

- For technical information please call (877) 700-4242 or visit our website (www.holdrite.com).

