PRODUCT SPECIFICATION SHEET
HoldRite® HydroFlame™ 100 Sealant

HydroFlame 100 is an elastomeric water based single component non-sag low-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 100 will prevent the passage of smoke, gasses, and flames through openings around penetrating items. HydroFlame 100 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. Additionally, it can easily be troweled out of a 5-gallon bucket. HydroFlame 100 UL systems are rated up to 4 hours as tested in conformance to ASTME E814 or ANSI/UL-1479, and CAN/ULC-S115.

Product information:

- **Material Properties:** HydroFlame 100 sealant does not contain any solvents, asbestos fillers or hazardous materials. Application temp 40°F (4°C) - 120°F (49°C). Cure Time: 3-4 weeks at 77°F (25°C). Density: 12.5 +/- 0.5 lbs./gal. (1.25 kg/L). Skin over time: 30 minutes 77°F (25°C). Product color RED. Elastomeric and flexible. PH Value 7 - 8. Density 12.5 +/- 0.5 lbs./gal. Freeze/thaw -- exceptional. VOC Negligible. Volume coverage: 10.3 oz. cartridge = 304ml, 18 cu. in., or 295cc. Volume coverage: 5-gallon buckets = 1155 cubic inches or 5,000 cu. cm/L.

- **Application:** HydroFlame 100 sealant when properly installed will prevent the passage and migration of smoke, toxic gases, and flames through wall and floor assemblies where penetration firestop systems are installed. Can be used on a variety of combustible plastic and noncombustible pipes or insulated pipes including PVC, CPVC, ABS and PVDF cross-linked Polyethylene (PEX) tubing. steel, copper, cast iron, EMT and communication/telephone cables and more. HydroFlame 100 is a flexible firestop sealant so it can be used in areas where vibrations or other movements occur. In addition, it has excellent sound attributes and can be used where rated walls or floors have high STC requirements.

- **Availability:** HydroFlame 100 is available in the following four sizes: 10.3oz. cartridges (304ml), 20.2oz. sausages (597ml), 30oz. cartridges (887ml), and 5-gallon buckets (18.9L).
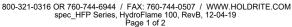
Product Submittal	
Job Name:	
Date:	
Part Number:	Qty:
Architect / Owner:	
Contractor:	
Notes:	

HR HydroFlame™
SEALANTS, WRAPS, COLLARS & PADS

- **Limitations:** HydroFlame 100 should not be used in areas exposed to exterior applications where UV exposure is present. HydroFlame 100 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 100 should not be used on extremely hot uninsulated penetrations or on surfaces that will be excessively hot above 300°F (149°C).

- **Storage & Handling:** HydroFlame 100 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 100 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. ASTM G21 Mold resistant. STC rating at 65, (based on ASTM E90 testing on a U411 wall design). ASTM E84 (UL 723 Tunnel Test). Flame Spread = 10. 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:** Flexible (Elastomeric). Low VOC. Paintable. Water based. Excellent freeze-thaw. High STC rating 65. 3-Year shelf life. Low-intumescent 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 by UL 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 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).