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## HoldRite HydroFlame™ 300 Caulk Grade Silicone Firestop Sealant Specification Sheet/Drawing

HoldRite HydroFlame™ 300CG is a caulk grade silicone firestop sealant ideal in areas where water washout is a concern or in floor conditions that require a UL listed W Rating. It is a single component neutral curing silicone that is easy to dispense from any industry standard 20 ounce caulking gun and does not require any thinning or mixing. HF300CG is flexible and tested at approx.  $\pm 33\%$  movement capabilities and can easily handle areas where vibrations or movement of penetrants are expected. HF300CG is ideal for use with a wide variety of penetrants including metal pipes, plastic pipes, cables & cable trays, metal ductwork, and multiple penetrations in either gypsum or concrete/CMU walls or in concrete floor conditions. It is FBC System Compatible and will not degrade sensitive plastic pipes like CPVC. HF300CG is available in 20 ounce sausage packs only and has been tested to ASTM E814 or ANSI/UL-1479 and CAN/ULC-S115.



### Product information:

• **Material Properties:** HydroFlame™ 300CG sealant is a single component non sag neutral curing caulk grade silicone firestop sealant. \*Application Temp -40°F (-40°C) - 300°F (149°C) \*Skin over tack free time: 18-26 minutes at 77°F (25°C) \*Product color: Limestone Grey \*ASTM E96 Antifungal additives to resist the growth of mold or fungus. \*Flexible  $\pm 33\%$  movement \*pH Value: Neutral \*Freeze/thaw -- exceptional \* VOC Negligible 0 g/L per EPA Method 310 test \* ASTM E84 (UL 723 Tunnel Test) Flame Spread = 0, Smoke Index = 15 \*. Material density 1.37 g/cm<sup>3</sup>. Volume shrinkage 0-5%.

• **Application:** HydroFlame™ 300CG is a caulk grade silicone firestop sealant and when properly installed will prevent the passage and migration of smoke, toxic gases, and flames through wall and floor assemblies where thru penetration firestop systems are installed. HF300CG can be used on a variety of penetrating items such as combustible plastic and noncombustible pipes or insulated pipes including PVC, CPVC, ABS (closed), cross-linked Polyethylene (PEX) tubing, steel, copper, cast iron, EMT pipes, communication/telephone cables, and metal ductwork. HF300CG provides excellent resistance to water and is perfect in conditions that require a UL listed W rating. In addition, HydroFlame™ 300CG is a flexible firestop sealant so it can be used in areas where vibrations or other movements are expected to occur.

• **Availability:** HydroFlame™ 300CG is available in the following three sizes: 10.1 oz. cartridges (300 ml), 20.3 oz. sausages (600 ml), and 4.5 gallon buckets (19L).

- **Limitations:** HydroFlame™ 300CG sealant is not recommended for any situation not listed or approved by HoldRite (RWC).

- **Storage & Handling:** HydroFlame™ 300CG should be stored in a cool dry place in temperatures between 40°F (5°C) and 110°F (43°C) to obtain a 1 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 product stored under protective cover and in original containers.

**Testing Data:** HydroFlame™ 300CG was tested to meet the following ASTM and industry standards. Tested at a positive pressure with a minimum 0.01 (2.5 Pa) inches water and in accordance with ASTM E814 (UL 1479) and CAN/ULC-S115. ASTM E84 (UL 723 Tunnel Test) with a flame spread = 0 and Smoke Development = 15. ASTM C794 Peel Test (5 to 40 substrates dependent). ASTM E96 Permeability and antifungal properties. ASTM C793 Ozone & UV Resistance test: Pass. Neutral pH and Effects of Accelerated Aging: Pass. VOC Content EPA Method 310 test: 26 g/L. This product is UL GreenGuard 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 ± 33% movement \*Low VOC (26 g/L) \*Repels water-excellent for W Ratings or washout conditions \*Excellent freeze-thaw \*1 Year shelf life \*FBC™ System Compatible \*Easily Dispensed with caulking gun \*Antifungal properties \*UL GreenGuard Certified \*Limestone Grey to match concrete color \*Single component non-sag silicone.

- **Installation Data:** Do not thin or mix with water or other liquids. Store product between 40°F (5°C) and 110°F (43°C). Avoid freezing temps and thaw completely if product freezes. Step 1. create opening in substrate and install penetrating item(s) in accordance to local standards and building codes. Step 2. Choose desired UL thru penetrating drawings to install. Step 3. Clean all wall or floor substrate surfaces thoroughly. Ensure surfaces are free from any dust, debris, wax, oil, moisture and other contaminants. Step 4. Install backing material if required by UL system detail. Step 5. For maximum performance make sure sealant is at room temp and not below 40° F. Step 6. Use an appropriate 20-ounce caulking gun suitable for 20 ounce sausage packs and determine appropriate sealant depth. Cut the end of the nozzle to the desired bead width. Install sealant within the annular space to UL system required depth. Install around penetrating item(s) flush to substrate surface. Step 7. Tool the sealant if necessary or for desired look with a clean damp knife or trowel. Step 8. When finished, clean all tools promptly with chemical solvent before sealant cures. Appropriate solvents could include IPA or MEK type products. Seal any unused material to prevent pre-mature curing in container.

- **Warranty:** Limited 2 year warranty: Product will be free from defects in material and workmanship for a Warranty Period of 2 years from the date of purchase. HF300CG has a shelf life of 1 year. See HoldRite website [www.holdrite.com](http://www.holdrite.com) for further information.

- For technical information please call (877) 700-4242 or visit our website ([www.holdrite.com](http://www.holdrite.com)).

