



Product Submittal	
Name	
Date	
Architect/Owner	
Contractor	
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Notes	

HoldRite HydroFlame™ Closet Flange Specification Sheet/Drawing

The HoldRite Hydroflame™ Pro Series "Closet Flange Sleeves" are UL Listed Firestop Devices that accept 3" or 4" plastic or no-hub closet flanges and drain pipes. They provide 3-hour "F" & "T" ratings and also "L" & "W" ratings for concrete slabs 2-1/2" and thicker. Sleeves have a mid-body seal and built-in firestop materials. Optional "CD Plate" can be added for use on metal deck forms. Models include #HFP-CF3PL (B), #HFP-CF4PL (B), #HFP-CF3NH (B) and #HFP-CF4NH (B).

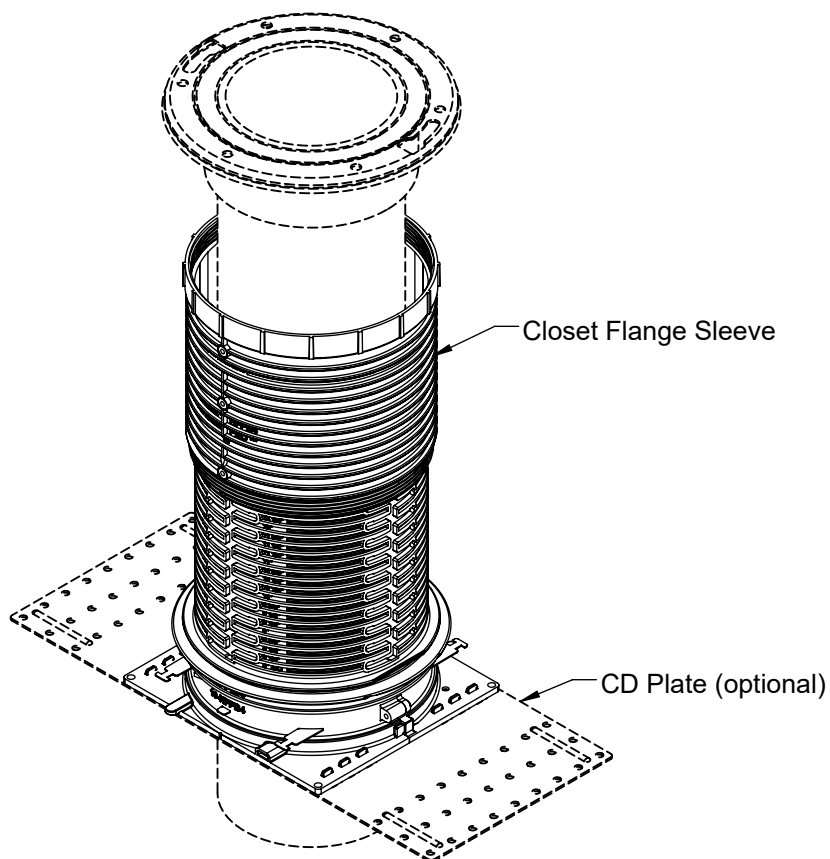
Product Information:

- Material:
 - Main Sleeve Body, Base & Safety Cap: Polypropylene.
 - Mid-Body Seal: Thermoplastic Rubber (TPR); Mold & Fungus resistant per ASTM G-21.
 - Locator Whiskers: Polypropylene.
 - Fire Ring: 24GA CRS.
 - Firestop Material: UL Listed Intumescent Composite.
- Patented & Patents Pending.
- HydroFlame™ Pro Sleeve tested in accordance to ASTM E90. Please see appropriate testing reports for further STC information.
- See Hydroflame™ Pro Series Installation Instructions, Best Practices documents and the latest UL Fire Resistive Directory file (R25101) for details.
- "FBC™ System Compatible indicates that this product 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™ System Compatible Logo, FBC™, FlowGuard®, BlazeMaster®, Corzan®, and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates."



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Technical Data for HydroFlame Pro Firestop Device	
Product Test Criteria	
UL Fire Tested & Listed to UL1479 (ASTM E814) & CAN/ULC S115	
UL Ratings (consult individual product specs & UL Systems):	
"L": Yes; "F": 3 Hrs. typical; "W": Yes (UL system may require caulk)	
Intumescent Fire Wrap Physical Properties, Performance	
Contains no solvents or carcinogenic fillers	
Color:	Gray/Black
Material shelf/store life:	Indefinite
Heat Expansion begins:	≈ 375°F (191°C)
Greatest Expansion:	575°F-1100°F (302°C - 593°C)
Constrained Expansion:	≥ 18 times volume
Free Expansion:	≥ 37 times volume
Expansion after accelerated weathering (tested to UL 1479):	
Temperature aging:	Pass - 270 days @ 158°F (70°C)
High humidity aging:	Pass - 180 days @ 97-100% humidity, 95°F (35°C)
Application Temperature:	Minimum 15°F (-9°C) / maximum 130°F (54°C)
Temperature Resistance:	Maximum 212°F (100°C)
Surface Burning Indicates (Per ASTM E84/UL 723):	
Flame spread:	5
Smoke developed:	5