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## HoldRite HydroFlame™ Shower Drain Specification Sheet/Drawing



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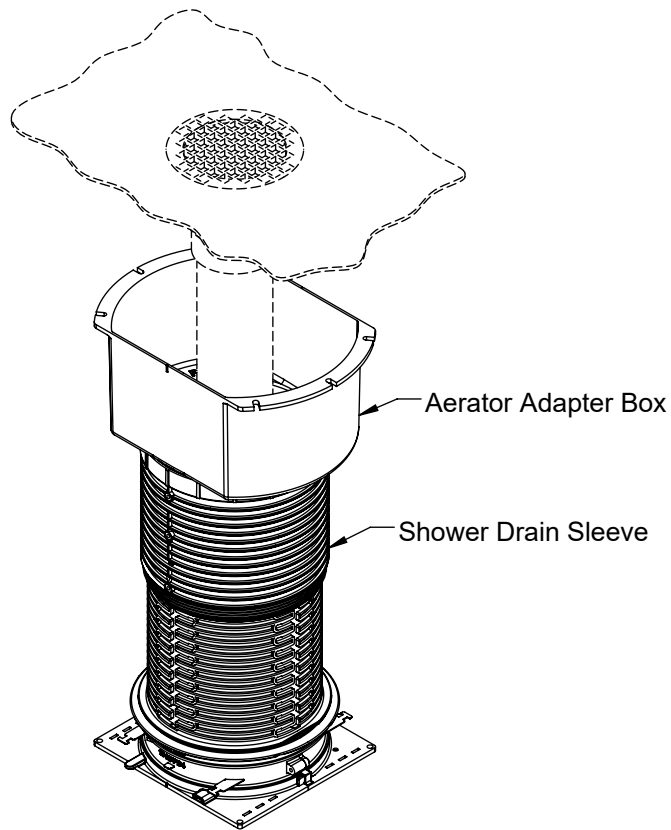


The HoldRite Hydroflame™ Pro Series "Shower Drain Sleeve" (#HFP-SH2-DRN & #HFP-SH3-DRN) is ideal for 2 drain bodies that are recessed into the concrete floor, such as with a shower pan or shower stall. This is a UL Listed Firestop Device that includes a water-tight mid-body seal and built-in firestop materials. The Sleeve is adjustable in height for slabs 5" and thicker and provides a 3-hour F-rating. Optional "CD Plate" can be used when mounting to metal pan deck forms. Upper assembly includes a styrofoam insert pad, to block concrete during pour.



### Product Information:

- Material:
  - Main Sleeve Body, Base & Drain Receiver: Polypropylene
  - Mid-Body Seal: Thermoplastic Rubber (TPR); Mold & Fungus resistant per ASTM G-21.
  - Firestop Material: UL Listed Intumescent Composite
  - Insert: Expanded Polystyrene or similar
- 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 Corzon® 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."



<b>Technical Data for HydroFlame Pro Firestop Device</b>	
<b>Product Test Criteria</b>	
UL Fire Tested & Listed to UL 1479 (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)	
<b>Intumescent Fire Wrap Physical Properties, Performance</b>	
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