CAST-IN-PLACE SHOWER DRAIN SLEEVE

HOLDRITE HYDRO FLAME™ Water Seal & Fire Stop Cast-In-Place Sleeves

Note: Shower Drain and Riser Pipe Not Included

For use in
- Dust and fiber free environments such as hospitals, computer centers and laboratories
- Concrete floor assemblies with flat form decks

Product Description
- HydroFlame shower drain sleeves offer fire protection built into the sleeve for a variety of pipe sizes and types that pass through concrete floors in multi-story buildings
- These shower drain sleeves are delivered to the job site ready to accept the pipe and shower drain by solvent cementing them to the inside top of the shower drain sleeve
- HydroFlame shower drain sleeves appreciably reduce job time and material expenses by not requiring additional steps, such as mineral wool and caulking
- Tested and approved by UL

Nonmetallic and Metallic Pipe
2" drain pipe size: ABS, ccABS, PVC, ccPVC, Cast Iron, Copper

Product Feature & Benefits
- Simple and quick installation
- Built in fire protection
- No need for mineral wool or caulkings

Not for use in
- Walls

Safety & Precautions
- Keep this device out of reach of children
- Read the Material & Safety Data Sheet

Storage of Device
- Store in a covered or closed area protected from weather
- Do not stack devices on top of one another other than how they are shipped from manufacture

Note: The shower drain sleeve does not come with pipe or the shower drain, you get the shower drain sleeve that will accommodate the pipe and drain supplied by others.

Technical Data for HYDROFLAME Firestop Material	
Physical Properties	
Color: Gray/Black	
Heat Expansion (Intumescence)	
Expansion begins:	410°F (210°C)
Significant expansion:	555°F (290°C)
Free expansion:	25 times (5 min @ 662°[350°C])
Weatherability (Tested to ASTM G23 and G53)	
Test Condition	Temperature/Humidity 90°F (32°C)/90%
Time	120 Days
After Exposure	No change in expansion
Surface Burning Characteristics (ASTM E84, UL 723)	
Flame spread index: 0	
Smoke development index: 5	
Testing Data	
UL Fire Tested & Listed to UL 1479 (ASTM E814) Standards	
UL F Rated	
Please refer to UL system F-A-2190	

Installation Instructions

(1) The minimum concrete pour thickness for the shower drain application is 5 inch, to achieve this height the shower drain will be cemented (glued) into the top of the shower drain base. For concrete slab thicknesses greater than 5 inch a 2 inch PVC coupling will be cemented (glued) into the top of the shower drain base from our factory. To achieve the appropriate height for slab thickness cement (glue) 2 inch schedule 40 PVC pipe into the 2 inch PVC coupling at the top of the shower drain base that has been cut for slab thickness. Sleeves can be ordered from Presealed Systems with the 2 inch schedule 40 PVC pipe attached to the sleeve and cut to the depth of the concrete pour or left long so you can cut in the field to appropriate height needed.

(2) Align the hatch marks on lower shower drain base to layout lines on form deck to center the sleeve for the pipe that will be attached to the drain. Attach the sleeve to deck using the nail holes provided in the lower shower drain base. **Note: It is recommended to use 6 penny nails through the nail slots to secure device to the deck. You may use appropriate staples to secure the device to form deck by straddling the nail slots on the edge of the base. DO NOT USE SCREWS TO SECURE THE DEVICE TO FORM DECK BECAUSE THE FORM DECK OR DEVICE COULD BE DAMAGED**. A Minimum of 4 holes should be used for nailing the sleeve to the wood form deck. The drain face will need to be taped off to prevent concrete from entering the drain piping and shower drain.

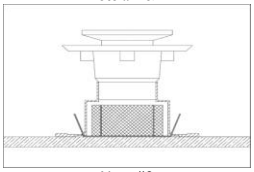
(3) Pour the concrete slab around the device to the appropriate slab thickness.

(4) As the form deck is removed after the appropriate concrete curing time has been accomplished, the nails can be pulled through the nail slots on the base, as designed.

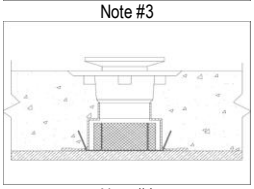
(5) Remove protective tape from drain and install drain cover.

(6) Drain pipe connects to shower drain base, 2 inch schedule 40 PVC drain pipe can be cemented (glued) into coupling or shower drain itself. Different drain pipe types (cast iron, ABS, copper etc...) can be connected to the shower drain base by gluing a short piece of PVC pipe into the bottom of the shower drain base so it extends 2 inches below the slab, then use the appropriate fittings/bushings to adapt to these type of drain pipes (cast iron, ABS, copper etc..) When the tail piece of the shower drain assembly (by others) extends below the slab you can use glue or compression fittings/bushings to adapt to these drain types (cast iron, ABS, copper etc..) Please refer to UL listing XHEA.F-A-2190 for full details. Note: *HOLDRITE HYDROFLAME is not responsible for sleeve performance when installation instructions are not followed.*

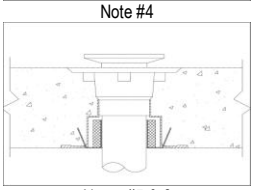
Note #1 & 2



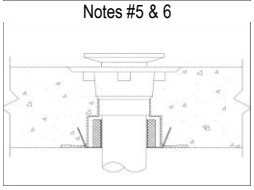
Note #3



Note #4



Notes #5 & 6



Product Submittal		
Job Name:		Architect/Owner:
Date:		Contractor:
Part#:	Qty:	Notes: