

CAST-IN-PLACE TUB BOX

For use in

- Dust and fiber free environments such as hospitals, computer centers and laboratories
- Concrete floor assemblies

Product Description

- HydroFlame Tub Box Adapter offers fire and water protection for a variety of pipe sizes and types for tub drains that pass through concrete floors in multi-story buildings.
- HydroFlame Tub Box Adapter appreciably reduces job time and material expenses by not requiring additional steps, such as fire caulking and caulking to make the device waterproof.
- Tested and approved by UL

Tub Box Drain/Overflow Assembly Types

1 1/2" Diameter Sch. 40 PVC or thin wall, or brass tub drain/overflow assembly.

Note: Please refer to Size Chart for HydroFlame Cast-in-Place part numbers that are applicable to the correct pipe type and size.

Drain Piping

Nominal 2" Schedule 40 (PVC), 1 1/2" Schedule 40 (PVC), ABS, Cast Iron or Copper Drain Piping. (Refer to installation instructions)

Product Feature & Benefits

- Simple and quick installation
- Snug fit holds pipe in place
- Helps prevent water, smoke, moisture & mold intrusion
- Reduces time to finish building by allowing dry in of bottom floors faster
- Helps eliminate rework due to water damage

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



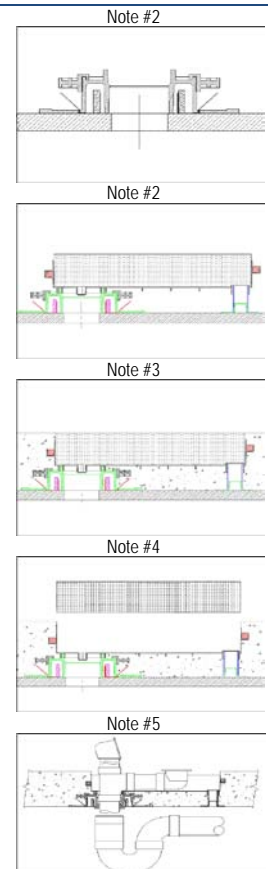
Technical Data for HYDROFLAME Firestop Device

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°F [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	
L Rating UL	
W Rating UL	
F Rating UL – 2 Hours	



Installation Instructions

- (1) Lay out the form deck for the tub box adapter base. Cut tub box base to the appropriate concrete thickness according to the cut off lines on the base. Cut stabilizing legs to proper height for concrete pour. Minimum overall floor thickness must equal at least 4 1/2" from the bottom of base to the top of the tub box, anything over 4 1/2" will be from the bottom of base to the top of Styrofoam insert. Use solvent cement (glue) to glue legs to the two insert holes under the tub box.
- (2) Align the hatch marks on lower base to layout lines (by others) on form deck to center the device for the appropriate pipe connection. Nail tub box base to form deck, use solvent cement (glue) on both surfaces of the top base and bottom of tub box where the base connects for securing both parts together. Make sure the Styrofoam insert is in the top of tub box before pouring concrete and also the backer material is in place around the outside trough area of tub box before concrete pour. **Note: You can also preassemble the tub box, base and legs prior to nailing it to the form deck if desired.**
- (3) Pour the concrete slab around the device to the appropriate slab thickness.
- (4) Remove the protective Styrofoam insert from tub box and form floor deck after concrete has cured. Remove the pressure test cap before installing the appropriate drain piping. **Note: Knock out the pressure test cap after test is complete by using a hammer to tap the center mark on the test cap breaking it loose, use a screwdriver or grab the test cap to break it free from tub box.**
- (5) Install the desired tub drain/overflow assembly piping (Brass, PVC or thin wall) through the Tub Box and base. Insert the appropriate bushing seal into the top of tub box or the bottom of the base assembly around the appropriate drain pipe to be used. **Note: When using thin wall tub drain/overflow assembly piping you must insert the bushing seal in the top of tub box only.** Complete the installation by installing the appropriate branch and trap piping. You can use different drain pipe types and sizes by using the appropriate standard fittings/bushings (not supplied) to attach to the bottom of the tub box base. **Note: To ease the installation of the drain/overflow piping use a water damp rag and wipe down the drain/overflow pipe and the bushing seal, then push the pipe through the bushing seal or use a compatible soap solution or other recommended compatible lubricant.**
- (6) Prior to installation, thoroughly clean the outside of the pipe to be inserted through tub box assembly and bushing seal. The pipe must be free of concrete, dirt, paint, rust or anything protruding from the outside of pipe including burrs of pipe material. Make sure the bushing seal membrane is clean of all debris, dirt, concrete or anything that might have gotten on the bushing seal membrane during or after construction that could damage the sealing surface of the bushing seal membrane when the pipe is inserted through the bushing seal. Failure to perform proper cleaning could damage the bushing seal membrane when the pipe is installed. **Note: HOLDRITE is not responsible for tub box assembly performance when installation instructions are not followed.**



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