

Hilti Firestop Systems

September 11, 2024

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Core Hole or Sleeve Diam, In. (mm)	Firestop Device	Nom Diam of Through Penetrant, In. (mm)	Min-Max Floor Thickness In. (mm)
4 (102)	CFS-DID 2"C	2 (51) or smaller+	6 - 6-1/2 (152 - 165)
5 (102)	CFS-DID 3"C	3 (76)	6 - 6-1/2 (152 - 165)
6 (152)	CFS-DID 4"C	4 (102)	6 - 6-1/2 (152 - 165)
4 (102)	CFS-DID 2" HC8	2 (51) or smaller+	7-1/2 - 8-1/2 (191 - 216)
5 (102)	CFS-DID 3" HC8	3 (76)	7-1/2 - 8-1/2 (191 - 216)
6 (152)	CFS-DID 4" HC8	4 (102)	7-1/2 - 8-1/2 (191 - 216)
4 (102)	CFS-DID 2" HC10	2 (51) or smaller+	9-1/2 - 10-1/2 (241 - 267)
5 (102)	CFS-DID 3" HC10	3 (76)	9-1/2 - 10-1/2 (241 - 267)
6 (152)	CFS-DID 4" HC10	4 (102)	9-1/2 - 10-1/2 (241 - 267)
4 (102)	CFS-DID 2" HC12	2 (51) or smaller+	11-1/2 - 12-1/2 (292 - 318)
5 (102)	CFS-DID 3" HC12	3 (76)	11-1/2 - 12-1/2 (292 - 318)
6 (152)	CFS-DID 4" HC12	4 (102)	11-1/2 - 12-1/2 (292 - 318)

+ For pipe smaller than nom 2 in. (51 mm) diam, Adapter and Top Seal Plug is required to be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-DID 2"C, CFS-DID 3"C, CFS-DID 4"C, CFS-DID 2"HC8, CFS-DID 3"HC8, CFS-DID 4"HC8, CFS-DID 2"HC10, CFS-DID 4"HC10, CFS-DID 4"HC12, CFS-DID 3"HC12, CFS-DID 4"HC12

3A. Firestop Device* - Water Barrier Module — (Optional, Not Shown) - Used in combination with the CFS-DID device and supplied by device manufacturer. Module is threaded onto top of device.

W Rating and L Rating apply only when water barrier module is used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - Water Barrier Module

4. Through Penetrant — One nonmetallic pipe to be installed within the firestop device. Pipe to be rigidly supported on both sides of floor assembly. The following types of pipe may be used:

- A. Polyvinyl Chloride (PVC) Pipe Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
- B. Acrylonitrile Butadiene Styrene (ABS) Pipe Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

D. Flame Retardant Polypropylene (FRPP) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 (or heavier) FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

T Rating is 1/4 hr when Pipe D is used.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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