

Firestop Collar (CP 644)

Product description

- A ready-to-use firestop collar, made of galvanized steel housing and intumescent inserts for firestopping large combustible pipes

Product features

- Ready-to-use collar
- No construction required
- Fast installation time
- Adjustable/moveable fastening tabs

Areas of application

- Sealing of penetrations for combustible pipes from 8" to 10" in diameter
- Vented or closed pipe
- PVC or CPVC pipe

For use with

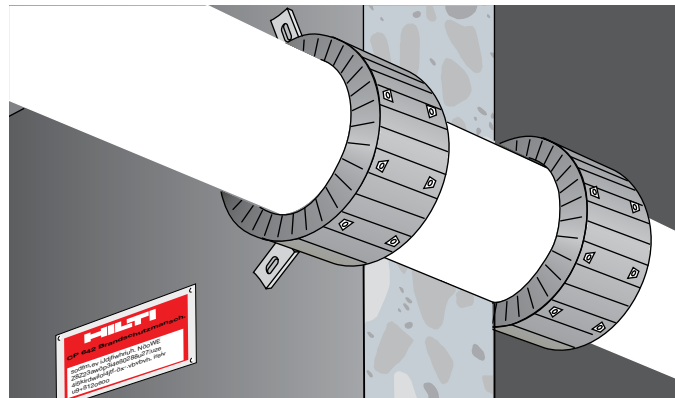
- Concrete, masonry, and gypsum walls
- Wall and floor assemblies rated up to 2 hours

Types of installation

- Wall: two collars, one on each side
- Floor: one collar on underside (bottom)

Examples

- Waste water pipes
- Fresh water pipes

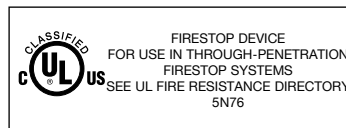


Technical Data

Description	Pipe outside dia (in.)	CP 644		
		Collar outside dia. (in.)	Collar Height (in.)	No. of hooks and fasteners
CP 644-200/8"	8.8	10.0	6.9	10
CP 644-250/10"	10.8	12.4	9.1	12
Temperature resistance		-40°F to 140°F (-40°C to 60°C)		
Intumescent Activation		Approx. 392°F (200°C)		
Expansion ratio (unrestricted)		Up to 1:10		

Tested in accordance with

- UL 1479 • ASTM E 814 • ASTM G21



Installation instructions for CP 644

Notice

- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

Opening

1. Clean the plastic pipes. Expansion of the intumescent material during a fire acts to close the plastic pipe. Very dirty pipes, (ie: with remains of mortar) may lead to a delay in this closing action. Soiled plastic pipes should, therefore, be cleaned in the area where the CP 644 Firestop Collar is to be installed.

Application of firestop system

2. Seal the opening. Gaps must be closed with FS-ONE. The approved methods vary and are given in the specific UL system.
3. Close the CP 644 Firestop Collar. Place the CP 644 Firestop Collar around the plastic pipe and lock the closure by applying firm pressure until it latches.
4. Attach fastening hooks. The fastening hooks can be attached to various points on the metal housing. This allows the fastening points to be made to suit the space available in each case.

The hooks must be positioned as symmetrically as possible. The required number of fastening hooks is indicated on the packaging.

5. Fastening the CP 644 Firestop Collar. Only when fastened properly can CP 644 offer protection against fire passing through.
 - a. Mark the fastening points.
 - b. Drill holes with a Hilti rotary hammer drill (i.e. TE 4-A18) or, depending on base material, fasten using Hilti powder-actuated tool.
 - c. To secure the CP 644 Firestop Collar, use Hilti anchors/fasteners.
 - d. For maintenance reasons, a penetration can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Not for use

- With metal pipes
- In highly corrosive surroundings
- With unapproved anchors/fasteners

Storage

- Store only in the original packaging in a location protected from moisture

