HILTI

Firestop Block (CFS-BL)

Product description
- Ready-to-use, intumescent flexible block designed to seal medium to large size openings

Product features
- Integrated "Grid-Tech" increases Annular Space up to 12"
- Suitable for re-penetration or new penetrations
- Economical to use with short installation times
- Easy installation — no special tools required
- Ideal for use in floors — no forming required
- One sided wall systems available
- Halogen, asbestos and solvent free
- Operational immediately after installation
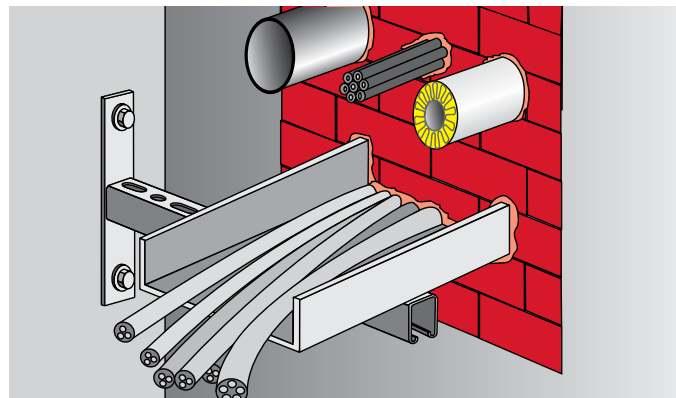- Smoke resistant

Areas of application
- Sealing single or multiple penetrations in small to large openings
- Temporary or permanent sealing of cables and cable tray penetrations
- Temporary or permanent sealing of insulated and non-insulated metallic pipes and combustible pipe penetrations

For use with
- Walls (UL tested up to max. opening 72" x 36")
- Floors (UL tested up to max. opening 72" x 36")
- Concrete, porous concrete, masonry and gypsum wall assemblies
- Wall assemblies rated up to 4 hours
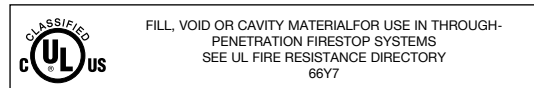- Floor assemblies rated up to 3 hours

Examples
- Completely dust and fiber free rooms and places where electrical installations are frequently used (ie: computer centers, hospitals, laboratories, etc.)
- New buildings in the construction phase and during renovation
- Large openings containing multiple penetrations as found in production bays, warehouses, hospitals etc.

Technical Data*	CFS-BL
Color	Red
Application temperature	40° F to 104° F (5° C to 40° C)
Temperature resistance	5° F to 140° F (-15° C to 60° C)
Intumescent activation	Approx. 392° F (200° C)
Expansion ratio (unrestricted)	Up to 1:3
Surface burning characteristics (ASTM E 84-10b)	Flame Spread Index: 10 Smoke Development Index: 15
Sound transmission classification (ASTM E 90)	STC Rating: 52

Tested in accordance with
- UL 1479   • ASTM E 814   • ASTM E 84

*At 73°F (23°C) and 50% relative humidity

c(UL)us CLASSIFIED — FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

NEW Grid-Tech!

Installation instructions for Firestop Block CFS-BL

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 opening. Penetration and penetration supporting structures must be installed in compliance with local building and electrical standards.

Application of Firestop Blocks
2a. If no penetrations are located, build up Firestop Block CFS-BL, firmly seated, within opening.

2b. If penetrations are located, build up Firestop Block CFS-BL, firmly seated, while cutting blocks with a knife to suit the placed penetrations.

3. Finish building up Firestop Blocks until entire opening is filled.

4. Completely fill cable spaces, gaps between blocks and pipes, and joints with FS-ONE Firestop Sealant (as required).

5. For maintenance reasons, a penetration seal could be permanently marked with an identification plate. In such a case, mark the identification plate and fasten it in a visible position next to the seal.

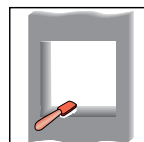### Re-installing cables or other penetrations
- Remove or cut the block from the seal.
- Install the penetrant and re-lay the block in compliance with the approval. Fill gaps and spaces with FS-ONE Firestop Sealant (as required).

  Single cables can be run through joints between blocks or a hole can be drilled through a block using a sharpened piece of metal pipe or tubing.
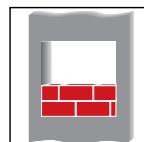
Not for use
- In wet rooms, outdoors or exposed to the weather or UV radiation (can be done only after applying an additional silicone coating, i.e. CP 601S).
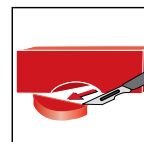
Storage
- Store only in the original packaging in a location protected from moisture and direct sunlight
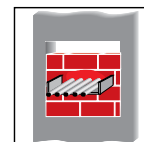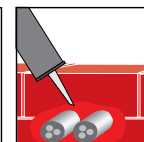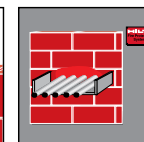

1. Clean opening.
2a. Build up blocks
2b. Cut blocks to size for penetrations in place
3. Build up blocks
4. Fill gaps with FS-ONE, CP 617 or CP 618 putty (as required).
5. Fasten identification plate in place (If required)

Hilti Firestop
Saving lives through innovation and education

Hilti. Outperform. Outlast.