

Elastomeric Firestop Sealant (CP 601S)

Product description

- A silicone based firestop sealant that provides maximum movement in fire-rated joints and seals through-penetration applications

Product features

- Halogen and solvent free
- Asbestos free
- Simple to use and apply
- Good adhesion without use of a primer
- Smoke, fume, water and UV resistant
- Excellent movement capability, meets 500 cycle requirements (ASTM E 1966 and UL 2079)
- Meets Class I W-rating requirements
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application

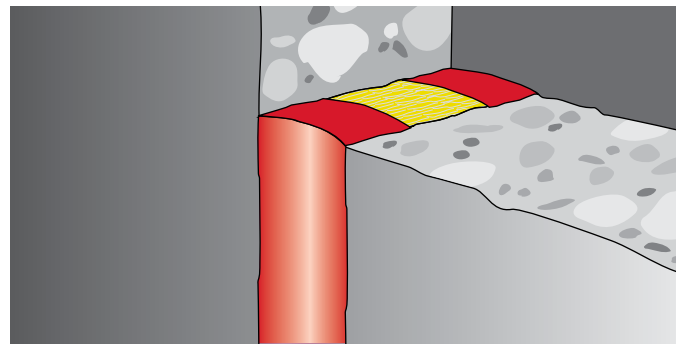
- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations

For use with

- Various base materials such as masonry, concrete, metal, glass, etc.
- Wall and floor assemblies rated up to 4 hours

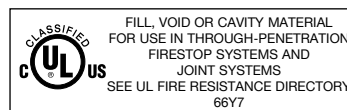
Examples

- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Sealing expansion joints to impede the passage of fire, smoke and toxic fumes
- Sealing around HVAC penetrations through fire-rated assemblies



Technical Data*	CP 601S
Chemical basis	Neutral elastic silicone
Density	Approx. 1.25 g/cm ³
Color	Red
Application temperature	40°F to 104°F (5°C to 40°C)
Skin-forming time	Approx. 15 min.
Curing time	Approx. 2 mm / 3 days
Volume shrinkage	Approx. 0 – 5%
Movement capability	Approx. 25%
Temperature resistance	-40°F to 320°F (-40°C to 160°C)
Surface burning characteristics (ASTM E84-96)	Flame spread: 0 Smoke development: 30
Sound transmission classification (ASTM E 90-97)	50 (Relates to specific construction)
Tested in accordance with	<ul style="list-style-type: none"> • UL 2079 • ASTM E 814 • ASTM E 1966 • ASTM C 920 • UL 1479 • ASTM E 84 ASTM G21

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



Installation instructions for CP 601S

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. Surfaces to which CP 601S will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of firestop

2. Insert fill of mineral wool (or backer as required).
3. Apply firestop over backer.
4. Smooth firestop sealant with a trowel before the skin forms. Once cured, CP 601S can only be removed mechanically.
5. For maintenance reasons, a penetration seal can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Chemical resistance

- At room temperature the cured silicone sealant is resistant for a short time to diluted (15%) acids and lyes/alkalis as well as most commercially available

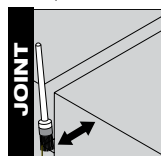
- cleaning agents and disinfectants (except those containing iodine)
- Concentrated acids and lyes/alkalis destroy silicone rubber over time.
 - Solvents and mineral oils cause cured silicone to swell. Consequently, proper functioning of the sealant should be checked after exposure to a solvent or mineral oil. Please contact your local sales representative or the nearest Hilti center if special requirements for chemical resistance have to be met.

Not for use

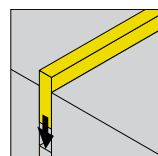
- In areas immersed in water
- Not to be painted

Storage

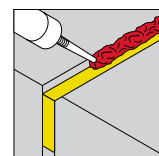
- Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C)
- Observe expiration date on package



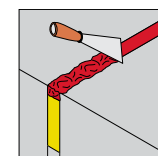
1. Clean opening



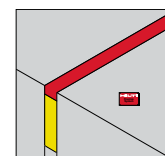
2. Insert backing material



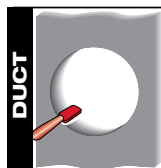
3. Apply CP 601S



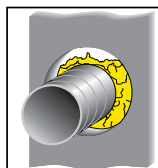
4. Smooth CP 601S



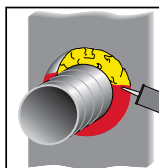
5. Fasten identification plate (if required)



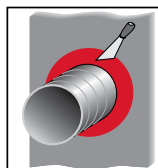
1. Clean opening



2. Insert backing material



3. Apply CP 601S



4. Smooth CP 601S



5. Fasten identification plate (if required)

Hilti. Outperform. Outlast.