

CP 672 FC (Fast Cure)
Speed Spray

Product description

- A sprayable fire-rated mastic for perimeter joints where movement and fast rain resistance is required

Product features

- Sprayable or apply by brush
- Maximum flexibility, meets 500 cycle requirements (ASTM E 2307)
- Quick and easy installation with the Spray Tech EPX 2355 or 2555 Sprayers can save you time and money
- CP 672 FC Speed Spray contains no halogens or asbestos so it is safe to use and won't harm the environment
- Water based formulation so spills and over-spray clean up quickly and easily
- Paintable
- 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

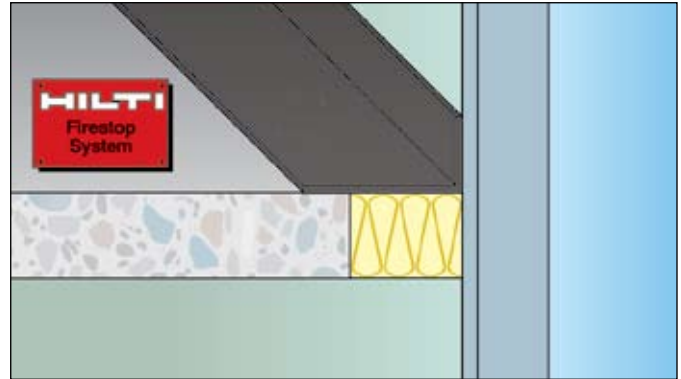
- For ventilated areas only
- Curtain wall / edge of slab

For use with

- Floor assemblies rated up to 2 hours

Examples

- Where a concrete floor assembly meets with non-rated exterior wall (concrete, glass, etc.)

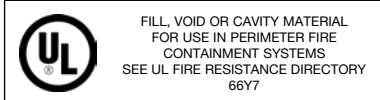


CP 672 FC Technical Data

Density	10.43 lb/gal (1.25 g/cm³)
Color	Gray (white mixed with black curing agent)
Application temperature	40°F to 104°F (5°C to 40°C)
Temperature resistance	-40°F to 176°F (-40°C to 80°C)
Consistency	Sprayable liquid
Chemical basis	Latex based dispersion
Tack free time¹ (ventilated)	Approx. 5.5 hrs @ 77°F, 80% humidity
Rain resistance time (ventilated)²	Approx. 7.5 hrs @ 77°F, 80% humidity
Ph-value	Approx. 8
Movement capability	Up to 50%
Surface burning characteristics (ASTM E 84-08)	Flame: 5 Smoke: 10
Sound transmission classification (ASTM E 90-99)	55 (Related to specific construction)
Approvals	
California State Fire Marshal	In progress
City of New York	In progress
Tested in accordance with	• ASTM E 84 • ASTM G21 • ASTM E 2307 • E 90

At 77°F and 80% relative humidity

1. Tack free in that case means that CP672-FC is not tacky anymore and additionally has built a thin skin to resist gently running water.
2. Rain resistant means that CP672-FC has built a thick skin to withstand driving rain
3. Fully cured is the final state when all product requirements are fulfilled as designed



Installation instructions for CP 672 FC

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 672 FC will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.
2. Install curtain wall insulation and other system components if required.

Application of firestop spray

3. Mineral wool packing: Install the prescribed back filling material type and depth to obtain desired rating.
4. Mixing of CP 672 FC: Take off the lid. Remove and open small plastic container, and empty into pail of white spray (remove plastic cover first). Mix with mixing paddle for 3 minutes until spray turns gray.
5. Application of firestop spray: Apply CP 672 FC to the required depth in order to obtain the desired rating. Make sure CP 672 FC contacts all surfaces and overlaps beyond all surrounding surfaces (Refer to UL System). Spray Tech Sprayers have been

successful in applying CP 672 FC Speed Spray. Hilti recommends the use of the Spray Tech EPX 2355 (for application temperatures above 50°F) or EPX 2555 Sprayers. CP 672 FC may also be brushed on with a paint brush. Contact Hilti Technical Support for more information.

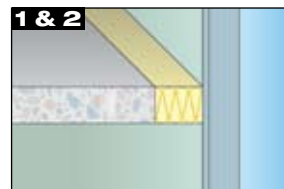
6. Curing time: Allow 7.5 hours (at 77°F) for the CP 672 FC to be resistant to driving rain. Full cure in 3-5 days.
7. Identification: For maintenance reasons all CP 672 FC applications can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Not for use

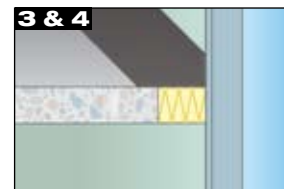
- In areas underwater
- On hot surfaces (above 176°F)

Storage

- Store only in the original packaging at temperatures 40°F to 77°F (5°C to 25°C)
- Observe expiration date on package



Clean opening. Pack in mineral wool compressed per UL System.



Spray or brush on CP 672 FC.



Allow CP 672 FC to cure. Fasten identification plate (if required).



Hilti. Outperform. Outlast.



1 Identification of substance:

- **Product details:**
- **Trade name:** CP 672 + Additiv
- **Container size** .
- **Application of the substance / the preparation** Construction chemicals
- **Manufacturer/Supplier:**
Hilti Aktiengesellschaft
Feldkircherstr. 100
Postfach 333
FL-9494 Schaan
Liechtenstein
Tel: 00423 / 234 2111
Fax: 00423 / 234 2965
christoph.aubauer@hilti.com
- **Informing department:** see section 16
- **Emergency information:**
Hilti Aktiengesellschaft
Tel: 00423 / 234 2111
Fax: 00423 / 234 2965
Schweizerisches Toxikologisches Informationszentrum - 24 h Service
Tel.: 0041 / 1 251 51 51 (international)

2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** aqueous acrylic-dispersion
- **Dangerous components:** Void
- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Seek immediate medical advice.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
Keep containers securely closed and dry, store at 5 - 25°C.

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Trade name: **CP 672 + Additiv**

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Pasty
Colour:	Various colours
Odour:	Recognizable

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

· Flash point:	Not applicable
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· Ignition temperature:	Not applicable
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· Self-inflammability:	Product is not selfigniting.
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· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
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· Density at 20°C	1,2-1,3 g/cm ³
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· Solubility in / Miscibility with Water:	mixable
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· pH-value at 20°C:	7 - 11
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· Solvent content:

· Solids content:	10-20 %
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10 Stability and reactivity

- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** none, if stored and handled correctly.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** slight irritative effect possible
- **on the eye:** slight irritative effect possible
- **Sensitization:** No sensitizing effect known.

12 Ecological information:

- **Ecotoxicological effects:** Not determined
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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(Contd. on page 3)



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13 Disposal considerations

- **Product:**
- **Recommendation** For disposal, local regulations issued by the authorities must be observed.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
- **Special designation of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**
Hilti Corporation
Business Unit Chemicals
Quality/Safety/Environment

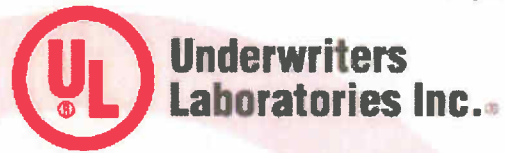
FL-9494 Schaan
Tel: 00423 234 2046
Fax: 00423 234 6046
e-mail: christoph.aubauer@hilti.com

- **Contact:** Dr. Christoph Aubauer
- *** Data compared to the previous version altered.**

Certificate of Compliance

Certificate Number 20080917-R13240
Report Reference 2008 September 17
Issue Date 2008 September 17

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Issued to: **Hilti, Inc.**

5400 S 122ND East Ave
Tulsa, OK 74146 USA

*This is to certify that
representative samples of*

Fill, Void or Cavity Materials
CP 672 FC Firestop Joint Spray

Have been investigated by Underwriters Laboratories Inc.® (UL) or any authorized licensee of UL in accordance with the Standard(s) indicated on this Certificate.


Standard(s) for Safety:

ANSI/ASTM E2307, "Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus,"

Additional Information:

CP 672 FC Firestop Joint Spray for use in Perimeter Fire Containment System as currently described in the UL Fire Resistance Directory.

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle symbol:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and, the product category name (product identity) as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product

Issued by:


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