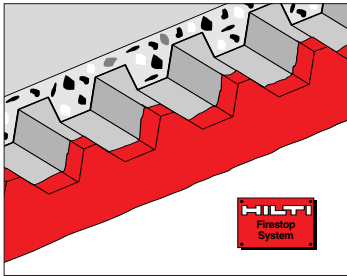


CP 672

Speed Spray



System Advantage / Customer Benefits

- Maximum flexibility, exceeds 500 cycle requirements (Class II & III Approval) (ASTM E 1966 & UL 2079)
- Quick and easy installation with the Spray Tech EPX 2505 Sprayer can save you time and money
- CP 672 Speed Spray contains no halogens, solvents or asbestos so it is safe to use and won't harm the environment.
- Water based formulation so spills and over-spray cleanup quick and easy.
- Paintable

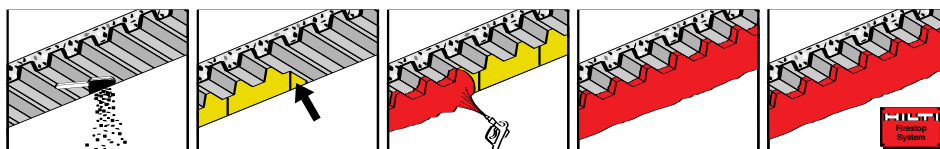
Installation instructions for CP 672

Opening

1. Clean the opening. Surfaces to which CP 672 will be applied should be cleaned of loose debris, dirt, oil, moisture, frost and wax.

Application of firestop spray

2. Mineral wool packing: Install the prescribed back filling material type and depth to obtain desired rating.
3. Application of firestop spray: Apply CP 672 to the required depth in order to obtain the desired rating. Make sure CP 672 contacts all surfaces and overlaps beyond all surrounding surfaces (Refer to UL/cUL System). Spray Tech EPX 2505 pumps have been successful in applying CP 672 Firestop Joint Spray. Hilti recommends the use of the Spray Tech EPX 2505 CP 672 Sprayer. CP 672 may also be brushed on with a paint brush. Contact Hilti Technical Support for more information.
4. Curing time: Allow 24 hours (@ 73°F / 23°C) for the CP 672 to fully cure.
5. Identification: For maintenance reasons all CP 672 applications can be permanently marked with an identification plate and fastened in a visible position next to the seal.



1. Clean opening 2. Pack in mineral wool 3. Spray or brush on CP 672 4. Allow CP 672 to cure 5. Fasten identification plate (if required)

Product description

- A sprayable fire-rated mastic for construction joints where maximum movement is required

Product features

- Contains no halogens, solvents or asbestos
- Water based, easy to clean
- Sprayable or apply by brush

Areas of application

- Top-of-wall joints
- Curtain wall / Edge of slab
- Expansion joints

For use with

- Concrete, masonry and gypsum wall assemblies
- Wall and floor / wall assemblies rated up to 4 hours

Examples

- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Where a concrete floor assembly meets with non-rated exterior wall (concrete, glass, etc.)
- Where two concrete floor/wall assemblies meet

Complete Top-of-Wall Firestopping Solution!

Notice about approvals

- When making a seal using Hilti CP 672 Firestop Joint Spray, please refer to the UL Fire Resistance Directory or the Hilti Firestop Manual for complete details, including restrictions as to joint size, type and thickness of wall or floor, movement capabilities, etc.

Not to be used...

- In areas underwater
- On hot surfaces (above 200°F)

Safety precautions

- Keep out of reach of children
- Always wear suitable eye protection and gloves
- Read the Material Safety Data Sheet

Storage

- Store only in the original packaging at temperatures 40°F to 77°F (5°C to 37°C)
- Observe expiration date on package

CP 672

Technical Data

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

Density

Approx. 9 lb/gal (1.27 g/cm³)

Color

Red

Application temperature

40°F to 90°F (5°C to 32°C)

Temperature resistance

35°F to 120°F (2°C to 49°C)

Consistency

Sprayable liquid

Chemical basis

Latex based dispersion

Working time

30–45 minutes

Curing time

24 hours

Ph-value

Approx. 8.0

Movement capability

Up to 50%

Surface burning characteristics (ASTM E 84-00)

Flame spread: 5

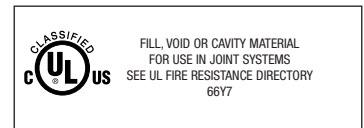
Smoke development: 5

Sound transmission classification (ASTM E 90-99) 55

Tested in accordance with

- UL 2079
- ASTM E 1966
- ASTM E 84
- CAN4-S115-95M

Internationally tested and approved



latest product information : www.ca.hilti.com

ordering information see page:

31



MSDS No.: 268C
 Revision No.: 004
 Revision Date: 08/17/04
 Page: 1 of 2

Product identifier: CP 672 Speed Spray

Description / use:	Fire rated acrylic-based mastic for use with concrete, masonry and gypsum wall assemblies.
Supplier:	Hilti (Canada) Corporation, 6790 Century Avenue, Suite #300, Mississauga, Ontario L5N 2V8
Originator:	Hilti, Inc., P. O. Box 21148, Tulsa, Oklahoma, USA 74121
Emergency number:	Chem-Trec: 1 800 424 9300

INGREDIENTS INFORMATION

Ingredient	CAS Number	% (wt.)	LC ₅₀ , (rat)	LD ₅₀ (rat)	TLV	STEL
Acrylic polymer	mixture	30-60	n. av.	n. av.	n. av.	n.av.
Calcined kaolin	66402-68-4	10-30	n. av.	n.av.	n.av	n.av.
Aluminum hydroxide	21645-51-2	05-10	n. av.	n.av.	n.av	n.av.
Water	7732-18-5	05-10	n. av.	>90g/kg	n.av	n.av.
Calcium carbonate	1317-65-3	05-10	n. av.	n.av.	5 mg/m ³ (T)	n.av.
Diisononyl phthalate	68515-48-0	01-05	n. av.	n.av.	n.av	n.av.
Ethylene glycol	107-21-1	01-05	>200 mg/m ³ /4H	4700 mg/kg	100 mg/m ³	n.av.
Ferric oxide	1309-37-1	0.1-01	n. av.	n.av.	5 mg/m ³	n.av.

PHYSICAL PROPERTIES

Appearance / Physical state:	Red sprayable paste.	Odour:	Mild odour.
Specific gravity (at 20°C):	1.3	VOC Content:	431 g/L
Vapour pressure (at 20°C):	Not available	Vapour density:	Not applicable.
Evaporation rate:	Not available	Boiling point:	Not available
Freezing point:	Approximately 0° C / 32° F	pH:	8.5-9.5
Coefficient of H2O / oil distrib:	Not available	Solubility in water:	Soluble.

FIRE AND EXPLOSION DATA

Flash point / Method:	Nonflammable.	Flammable limits:	Not applicable.
Conditions of flammability:	Not applicable.	Auto-ignition temperature:	Not applicable.
Means of extinction:	As appropriate for surrounding fire (e.g. Water, CO ₂ , Dry Chemical, Foam).		
Special fire fighting procedures:	None known. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Hazardous combustion products:	Thermal decomposition products such as oxides of carbon and nitrogen can be produced under fire conditions.		
Sensitivity to mechanical impact / static discharge:	Not susceptible to mechanical impact or to a static discharge.		

REACTIVITY DATA

Stability:	Stable.	Conditions of reactivity:	None known.
Incompatible materials:	Metal salts.		
Hazardous decomposition products:	None known. Thermal decomposition can yield oxides of carbon and nitrogen.		

TOXICOLOGICAL PROPERTIES

Routes of exposure:	<input type="checkbox"/> N/Ap <input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin absorption <input checked="" type="checkbox"/> Eye contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion					
Exposure limits:	None established.					

INTRODUCTION

APPLICATIONS / PRODUCTS

SYSTEM DETAILS

ESTIMATING TABLES / TECH DATA

MSDS No.: 268C
 Revision No.: 004
 Revision Date: 08/17/04
 Page: 2 of 2

TOXICOLOGICAL PROPERTIES

Acute effects of exposure: **Eyes:** Can cause irritation or watering but injury is unlikely. **Skin:** No effects expected. Irritation is possible with some individuals. **Inhalation:** No effects expected. **Ingestion:** Not considered a route of exposure. Effects of ingestion have not been determined. Considered to have a low acute oral toxicity.

Chronic effects of exposure: None known.

Synergistic materials: None known.

FIRST AID MEASURES

Eyes: Flush with plenty of water. Call a physician if symptoms occur.

Skin: Wash with soap and water. Seek medical attention if any effects persist.

Inhalation: No ill effects expected. Should discomfort occur, move to fresh air.

Ingestion: Do not induce vomiting. If conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Contact a physician immediately.

Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Engineering controls: General (natural or mechanically induced fresh air movements).

Eye protection: As appropriate for the work area or work being done.

Skin protection: Cloth gloves are suitable.

Respiratory protection: None normally required.

Other: No additional measures are normally required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling procedures and equipment: For industrial use only. Keep out of reach of children. Keep container closed when not in use. Do not get into the eyes. Avoid prolonged or repeated contact with the skin. Practice good hygiene; i.e., wash after using and before eating or smoking.

Storage requirements: Store in a cool dry area. Keep from freezing. Store between 5° and 25° C (41° and 77° F).

Spill, leak or release: Immediately wipe away spilled material before it hardens. Place in a container for proper disposal in accordance with all applicable local, state, or federal requirements.

Waste disposal: Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, provincial, and federal safety, health and environmental regulations.

Special shipping instructions: Avoid temperature extremes. Keep from freezing.

REGULATORY INFORMATION

WHMIS classification: D2A

HMS codes: Health 1, Flammability 0, Reactivity 0, PPE B

TDG shipping name: Not regulated.

PREPARATION INFORMATION / CONTACTS

Prepared by: Hilti, Inc., Tulsa, OK USA

Emergency phone number: 1 800 424 9300

Customer Service: Hilti (Canada) Corporation, Mississauga, Ontario; 1 800 363 4458

Health / Safety contacts: Hilti, Inc., Tulsa, OK USA; 1 800 879 6000 Jerry Metcalf (x6704)

Abbreviations used: **N/E** = None Established. **N/Ap** = Not Applicable. **N/Av** = Not Available. **H** = Hours.
HMS: Hazardous Materials Identification System

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.

Certificate of Compliance

Certificate Number **20060214-R13249D**
Report Reference **2006 February 14**
Issue Date **2006 February 14**

Page 1 of 1



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**
CP672

Have been investigated by Underwriters Laboratories Inc.® in accordance with the Standard(s) indicated on this Certificate.


Standard(s) for Safety: **ANSI/UL 1479, ANSI 2079, ASTM E2307, CAN/ULC-S115-05**

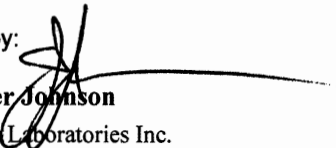
Additional Information: **CP672 Firestop Joint Spray for use in Joint Systems, CP672 Firestop Spray for use in Perimeter Fire Containment Systems and CP672 Firestop Joint Spray for use in Through-Penetration Firestop Systems as currently described in the UL Fire Resistance Directory.**

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:

Mona Couloute
Underwriters Laboratories Inc.

Reviewed by:

Christopher Johnson
Underwriters Laboratories Inc.