

Fire Finish CFP-SP WB

Product description

- Fire protection dispersion to help protect load bearing steel structures in interior environments against the effects of fire

Product features

- Glass fiber free product leads to better applied aesthetics
- Tested to ASTM E119 for up to 4hr fire ratings
- Optimized thixotropic nature allows for high mil thickness sprayed per pass
- Water-based, zero VOC product leads to quicker and easier cleanups, and lower environmental impact
- Reduced drying time permits additional coats to be applied quicker

Areas of application

- Wide flange steel columns
- Hollow steel sections
- Restrained and unrestrained beams
- Restrained and unrestrained concrete and steel floor units

Primer

- A complete listing of tested and approved primers can be obtained at www.us.hilti.com (U.S.) or www.hilti.ca (Canada)

Top coats

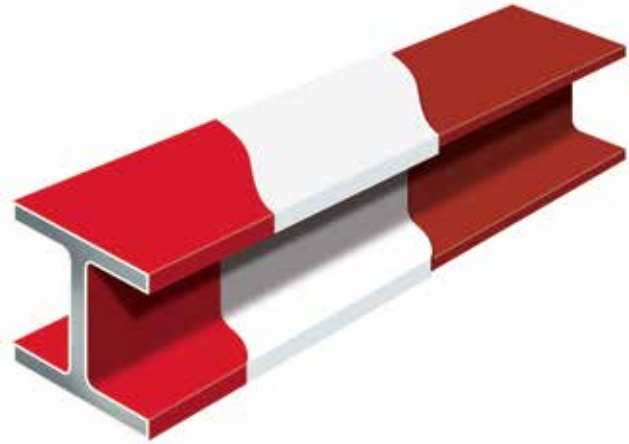
- If desired or required, an approved top coat may be applied for decorative purposes. A complete list of tested and approved top coats can be obtained at www.us.hilti.com (U.S.) or www.hilti.ca (Canada)

UL-Listing

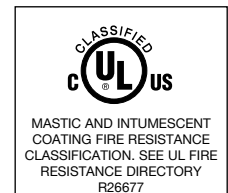
- BXUV.Y633 — for wide flange steel columns
- BXUV.Y634 — for hollow section columns
- BXUV.N640 — for beams
- BXUV.D990 — for concrete and steel floor units

Installation instructions

- See Hilti Literature or third-party listings for complete application and installation details



Technical data	
Packaging	56.7 lbs / 25.7 kg
Chemical basis	Water-based polymer dispersion
Consistency	Sprayable liquid
Color	White
UL test design	Up to 4 hours fire rating (ASTM E119)
Surface burning characteristics	Flame Spread 0 (ASTM E84) Smoke development 45 (ASTM E84)
Solid substance content	70% +/-3%
Density	1.35 kg/l 11.5 lb/gal
Recommended storage temperature	41 to 86°F
Recommended application temperature	50 °F to 95 °F with <80% rh
Temperature Resistance	41 to 158°F
Adhesion	507 psi (ASTM D4541)
Durometer hardness	96 Shore A (ASTM D2240)
Abrasion resistance	0.140g/1000 cycles (ASTM D4060)
Shelf life from date of manufacture	12 months
VOC	0 g/L
Impact resistance	93 in-lb (ASTM D2794)
Approvals	UL 263 / ULC-S101





88 Empire Drive • St. Paul, Minnesota • 55103
 (651) 642-1150 • fax (651) 642-1239

VOC Content Test Certificate

May 23, 2016

Supplier: Hilti Entwicklungsgesellschaft mbH
 BU Chemicals
 Hiltistrasse 6
 86916 Kaufering
 GERMANY

Sample Description: Hilti Fire Finish CFP-SP WB

Date Tested: May 16, 2016

Test Method: SCAQMD method 304-91 "Determination of Volatile Organic Compounds (VOC) in Various Materials" as referenced by South Coast Air Quality Management District (SCAQMD) Rule 1113. The values also comply with the requirements of EPA test method #24.

Test Data:

Specification	Product
LEED 2009 (LEED 3.0) LEED 2.2 IEQ-4.1: Low-Emitting Materials – Adhesives and Sealants	Hilti Fire Finish CFP-SP WB
Green Building Council of Australia Green Star Office Design 3.0, IEQ-13 Green Star Office Design 2.0, IEQ-13 Green Star Office Interiors 1.1, IEQ-11	
Architectural Coating; VOC Limit: 150 g/L	Product contains: 0 g/L of VOC

Tom Barrett
 Vice President/Strategic Analytical Services

Hilti Fire Finish CFP-SP WB

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 03/03/2016

Revision date: 03/03/2016

Supersedes: 02/17/2016

Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Mixture
Name	Hilti Fire Finish CFP-SP WB
Product code	BU Chemicals

1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hilti (Canada) Corp.
 2360 Meadowpine Boulevard
 L5N 6S2 Mississauga, Ontario - Canada
 T +1905 8139200
 1-800-363-4458 toll free - F +1 905 813 9009

Supplier

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 2360 Meadowpine Boulevard
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Department issuing data specification sheet

Hilti AG
 Feldkircherstraße 100
 9494 Schaan - Liechtenstein
 T +423 234 2111
chemicals.hse@hilti.com

1.4. Emergency telephone number

Emergency number	Chem-Trec Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada) Tel.: 703 527 3887 (Other countries)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Not classified

2.2. Label elements

GHS-CA labelling

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Name	Product identifier	%	Classification (GHS-CA)
Titanium dioxide	(CAS No) 13463-67-7	10 - 25	Not classified

Full text of H-statements: see section 16

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting	Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Recover mechanically the product.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Wear personal protective equipment.
Hygiene measures	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep cool. Store in a dry place.
Storage temperature	5 - 25 °C

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment

Protective clothing. Safety glasses. Gloves.



Hand protection

Protective gloves. EN 374.

Eye protection

Safety glasses. EN 166. EN 170.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Not necessary with sufficient ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Pasty.
Molecular mass	Not determined
Colour	white.
Odour	characteristic.
Odour threshold	Not determined
pH	7.5 - 8.5
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.3 - 1.4 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	9000 - 15000 mPa.s
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	Not applicable
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (IATA)	Not applicable
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	Not applicable

14.3. Transport hazard class(es)

ADR
 Transport hazard class(es) (ADR) Not applicable

IMDG
 Transport hazard class(es) (IMDG) Not applicable

IATA
 Transport hazard class(es) (IATA) Not applicable

ADN
 Transport hazard class(es) (ADN) Not applicable

RID
 Transport hazard class(es) (RID) Not applicable

14.4. Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

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14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) No

Not subject to ADN No

- Rail transport

Carriage prohibited (RID) No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

National/international regulations

No additional information available

SECTION 16: Other information

SDS Major/Minor	None
Date of issue	03/03/2016
Revision date	03/03/2016
Supersedes	17/02/2016

SDS_CA_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product