



November 08, 2022

Routt County Regional Building Department
136 Sixth Street
P.O. Box 773840
Steamboat Springs, CO 80477

RE: SPRNR220106 Wild Blue Gondola – Boiler Building Ceiling

Todd,

Pursuant to our meeting on 11/3/2022 at your office, this is the proposed addendum to the Boiler Building for the Boiler Room Ceiling.

As noted by Ron Norton on his 11/3/2022 framing inspection report: “Room that houses the snowmelt boilers will need to be reviewed with design professional for different assembly for fire rating on ceiling due to height restrictions in the room.”

Photos are attached of the existing Boiler Room, which shows how portions of the boiler equipment are protruding up above the steel beams in this space. This is what prevents the gypsum board ceiling system from being installed as designed.

Per our discussion, you had suggested looking at a comparable floor ceiling assembly to see if we could get that to work in this location and then provide either intumescent paint or spray fire proofing on the beams that would be exposed below the floor/ceiling assembly.

We would like to propose to use the attached GA FC-4503 floor/ceiling assembly. The boiler building steel c-channels (which I confirmed are 14-gauge, c-channels, not z-channels as I was mistakenly referencing in our meeting) will be updated to be at 16” OC per FC-4503 requirements.

The existing steel beams and angles that will be below the rated gyp bd lid will be protected with intumescent paint per the attached cut sheet information for the steel angles, per the attached letter for the steel beams and per the attached list of approved primers. All items were received from Isolatak.

All penetrations and through firestops will be protected per specification Section 07 84 13 Penetration Firestopping.

Pursuant to Chapter 17 of the 2018 IBC, special inspections are to be provided for the fire proofing.

1704.3 Statement of Special Inspections:

Intumescent Fireproofing is required to have special inspections completed for it. These should be completed by an approved agency that shall be objective, competent and independent from the contractor responsible for the work being inspected.

1705.15 Mastic and intumescent fire-resistant coating.

Special inspections and tests for mastic and intumescent fire-resistant coatings applied to structural elements shall be performed in accordance with AWC1 12-B.

1705.17.1 Penetration firestops.

Inspections of firestop systems that are tested and listed in accordance with 714.4.1.2 and 714.5.1.2 shall be conducted by an approved agency in accordance with ASTM E2174.

1705.17.2 Fire-resistive joint systems.

Inspections of fire-resistant joint system that are tested and listed in accordance with Sections 715.3 and 715.4 shall be conducted by an approved agency in accordance with ASTM E2393.

Please let me know any comments or questions on this requested revision.

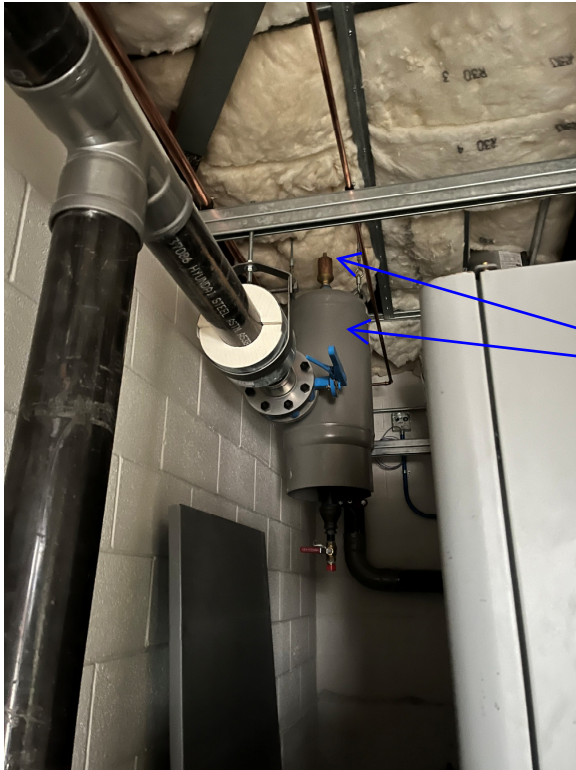
Thanks,



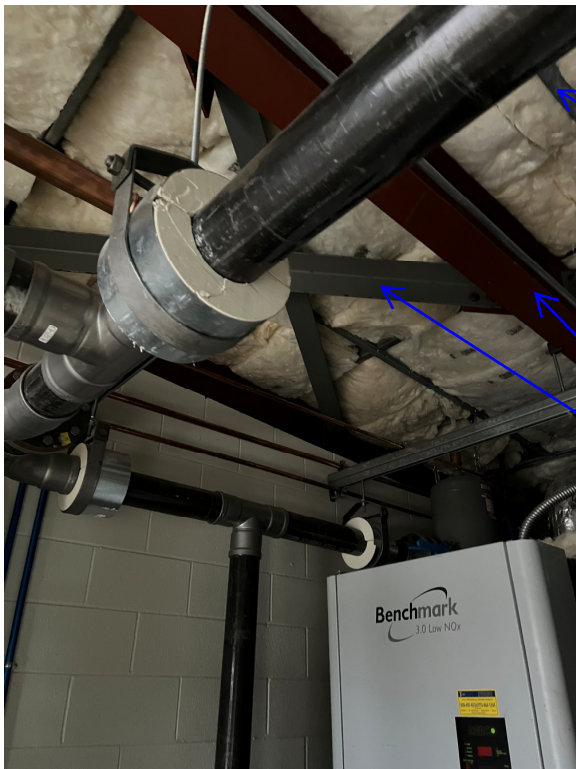
Kate Leggett,
Principal
ESA Architects

11/08/2022

PHOTOS OF WILD BLUE GONDOLA BOILER BUILDING



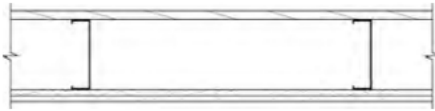
EXAMPLE OF EXISTING
EQUIPMENT PROTRUDING
ABOVE THE PROPOSED
GYP BD LID



PROPOSED SOLUTION IS TO
INCREASE THE NUMBER OF
C-CHANNELS TO MEET THE
SPACING REQUIREMENT AND
ATTACH GYPSUM BOARD AS
REQUIRED BY GA FC 4503.

STEEL ANGLES AND
BEAMS THAT WILL
PROJECT BELOW THE
RATED LID WILL BE
PROVIDED WITH
INTUMESCENT
FIREPROOFING PER
ISOLATECK
REQUIREMENTS

PROPOSED GA FLOOR/CEILING ASSEMBLY

GA FILE NO. FC 4503	GENERIC	1 HOUR FIRE
GYPSUM WALLBOARD, STEEL CHANNEL JOISTS, PLYWOOD FLOOR		
Base layer 1/2" type X gypsum wallboard applied at right angles to channel shaped, minimum 6" deep, 16 ga galvanized steel joists 24" o.c. with 1" Type S-12 drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard applied at right angles to joists with 15/8" Type S-12 drywall screws 12" o.c. at end joints and intermediate joists and 11/2" Type G screws 12" o.c. placed 3" back from either side of end joints and staggered 6" from Type S-12 screws at joint. Joints offset 24" from base layer joints. Floor of 3/4" T & G edge plywood applied at right angles to joists with 17/8" No. 6 Phillips head screws with 3/4" pilot tip 6" o.c. and end joints and 12" o.c at intermediate joists.		
		Approx. Ceiling Weight: 4 psf Fire Test: FM FC 205-1, 11-16-73

07 81 23 INTUMESCENT FIREPROOFING:

Contractor to submit UL fire assemblies for review for scope of penetrations as listed below.

BASIS OF DESIGN:

ISOLATEK INTERNATIONAL

INTUMESCENT FIREPROOFING - WB3 WITH APPROVED PRIMER.

PRODUCT DESCRIPTION:

CAFECO SPRAYFILM WB3 INTUMESCENT FIRE RESISTIVE MATERIAL IS A WATER-BASED SYSTEM INVESTIGATED BY UNDERWRITERS LABORATORIES FOR INTERIOR APPLICATIONS.

FIRE TEST PERFORMANCE:

CAFECO SPRAYFILM WB3 HAS BEEN EXTENSIVELY TESTED FOR FIRE RESISTANCE AND IS RATED FOR UP TO 4 HOURS FOR FLOOR ASSEMBLIES, BEAMS, AND COLUMNS. CLASSIFIED BY UL IN ACCORDANCE WITH ANSI/UL 263 (ASTM E119). CAFECO SPRAYFILM WB 3 HAS ALSO BEEN TESTED FOR SURFACE BURNING CHARACTERISTICS IN ACCORDANCE WITH ASTM E84 AND IS RATED CLASS A. FLAME SPREAD RATING 15 AND SMOKE DEVELOPED 0.

ALL EXPOSED STEEL BEAMS AND ANGLES LOCATED IN THE BOILER ROOM ARE TO BE FIREPROOFED TO 1-HR RATING USING ISOLATEK TYPE WB 3.

INSTALL PER MANUFACTURER'S REQUIREMENTS.

11/08/2022



Isolatek International
41 Furnace Street
Stanhope, NJ 07874
Telephone: 973.347.1200

November 8, 2022

Ms. Kate Leggett
ESA Architecture Planning
9825 Old Soloman Island Rd.
Steamboat Springs, CO 80487

Re: Wild Blue Gondola Boiler Building
Spring, CO

Dear Ms. Leggett:

This is in regard to the application of CAFCO® WB3 SprayFilm® Intumescent Fire Resistive Material (IFRM) to areas of the subject project.

It is our understanding that steel beams are supporting a roof deck (with no concrete) and require a fire resistance rating in accordance with ANSI/ UL263, ASTM E119.

For these conditions where a beam (3-sided exposure) is directly supporting a roof deck, it is industry practice and standard to utilize a column thickness, X or Y Series UL Design, based on the calculated W/D ratio of the 3-sided beam.

Please be advised that it is standard industry practice to determine IFRM thicknesses based on calculated A/P ratios and W/D ratios. A/P and W/D Ratios are calculated by dividing the weight, W, of the steel section in lbs./ft. (or the cross-section area, A, of the steel member) with the Perimeter, D (or P), of protection at the interface of the protection material through which heat is transferred to the steel in inches. The formulas to determine the required thickness based off the W/D and A/P are located within the UL directory designs.

It is our understanding that the listed steel member requires fire protection. We propose the following thickness in accordance with the corresponding UL Designs basis listed. See table below.

Steel Size	W/D	Thickness	Rating	UL Design Basis
Floor beam W10X22	0.60	75 mils	1 hr.	X649

Min 4 pcf mineral wool insulation cut into pieces and firmly packed into and completely filling the spaces between the flutes of the steel floor deck and the top flange of the beam. Mineral wool is not required when the top flange of the beam that is protected with the intumescent coating at the same thickness as the exposed 3 faces of the beam.

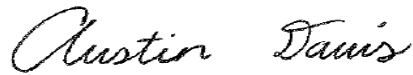
The above has been provided to assist the architect, owner and authority having jurisdiction to determine a reasonable protection method for the construction assembly. Authorities having jurisdiction should be consulted in all cases where approval is to be obtained for all installations that fall outside the scope of UL or design guidelines.

We trust this information is of assistance. Should you have any questions, please feel free to contact the undersigned at 973-347-1200.



11/08/2022

Sincerely,

A handwritten signature in black ink that reads "Austin Davis". The signature is written in a cursive, flowing style.

Austin Davis
Technical Analyst
CAFCO® Fire Protection Products

AD

Cc: T. Wildeboer- Isolatek International

Miscellaneous Shapes

Single Angles

CAFCO® SprayFilm® WB 3 and WB 4 & ISOLATEK® Type WB 3 and WB 4

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour
L 8 x 8 x 1-1/8	1.80	203 x 203 x 29	106.2	74.4	0.028	0.056	0.085	0.187
x 1	1.62	x 25	95.6	82.7	0.032	0.061	0.097	0.200
x 7/8	1.43	x 22	84.4	93.7	0.036	0.069	0.109	0.227
x 3/4	1.24	x 19	73.2	108.1	0.040	0.078	0.123	0.255
x 5/8	1.04	x 16	61.4	128.8	0.048	0.095	0.149	0.308
x 9/16	0.94	x 14	55.5	142.5	0.054	0.106	0.167	0.346
x 1/2	0.84	x 13	49.6	159.5	0.057	0.113	0.177	0.367
L 8 x 6 x 1	1.60	203 x 152 x 25	94.4	83.7	0.032	0.061	0.097	0.200
x 7/8	1.41	x 22	83.2	95.0	0.036	0.069	0.109	0.227
x 3/4	1.22	x 19	72.0	109.8	0.040	0.078	0.123	0.255
x 5/8	1.03	x 16	60.8	130.1	0.048	0.095	0.149	0.308
x 9/16	0.93	x 14	54.9	144.1	0.054	0.106	0.167	0.346
x 1/2	0.83	x 13	49.0	161.4	0.061	0.121	0.191	0.395
x 7/16	0.73	x 11	43.1	183.5	0.071	0.130	0.213	0.453
L 8 x 4 x 1	1.58	203 x 102 x 25	93.2	84.8	0.032	0.061	0.097	0.200
x 7/8	1.40	x 22	82.6	95.7	0.036	0.069	0.109	0.227
x 3/4	1.21	x 19	71.4	110.7	0.040	0.078	0.123	0.255
x 5/8	1.03	x 16	60.8	130.1	0.048	0.095	0.149	0.308
x 9/16	0.92	x 14	54.3	145.6	0.054	0.106	0.167	0.346
x 1/2	0.82	x 13	48.4	163.4	0.061	0.121	0.191	0.395
x 7/16	0.73	x 11	43.1	183.5	0.071	0.130	0.213	0.453
L 7 x 4 x 3/4	1.20	178 x 102 x 19	70.8	111.7	0.042	0.083	0.131	0.270
x 5/8	1.01	x 16	59.6	132.7	0.048	0.095	0.149	0.308
x 1/2	0.82	x 13	48.4	163.4	0.061	0.121	0.191	0.395
x 7/16	0.72	x 11	42.5	186.1	0.071	0.130	0.213	0.453
x 3/8	0.62	x 9.5	36.6	216.1	0.075	0.130	0.213	0.504
L 6 x 6 x 1	1.58	152 x 152 x 25	93.2	84.8	0.032	0.061	0.097	0.200
x 7/8	1.39	x 22	82.0	96.4	0.036	0.069	0.109	0.227
x 3/4	1.21	x 19	71.4	110.7	0.040	0.078	0.123	0.255
x 5/8	1.02	x 16	60.2	131.4	0.048	0.095	0.149	0.308
x 9/16	0.92	x 14	54.3	145.6	0.054	0.106	0.167	0.346
x 1/2	0.82	x 13	48.4	163.4	0.061	0.121	0.191	0.395
x 7/16	0.72	x 11	42.5	186.1	0.071	0.130	0.213	0.453
x 3/8	0.62	x 9.5	36.6	216.1	0.075	0.130	0.213	0.504
x 5/16	0.52	x 7.9	30.7	257.7	0.092	0.182	0.286	NR
L 6 x 4 x 7/8	1.37	152 x 102 x 22	80.8	97.8	0.036	0.069	0.109	0.227
x 3/4	1.19	x 19	70.2	112.6	0.042	0.083	0.131	0.270
x 5/8	1.00	x 16	59.0	134.0	0.048	0.095	0.149	0.308
x 9/16	0.90	x 14	53.1	148.9	0.054	0.106	0.167	0.346
x 1/2	0.80	x 13	47.2	167.5	0.061	0.121	0.191	0.395
x 7/16	0.71	x 11	41.9	188.7	0.071	0.130	0.213	0.453
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
L 6 x 3.5 x 1/2	0.81	152 x 89 x 13	47.8	165.4	0.061	0.121	0.191	0.395
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR

Note: All thicknesses are expressed in inches. To convert to Mils, multiply by 1000. To convert to mm, multiply by 25.4

Miscellaneous Shapes

Single Angles

CAFCO® SprayFilm® WB 3 and WB 4 & ISOLATEK® Type WB 3 and WB 4

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour
L5 x 5 x 7/8	1.38	127 x 127 x 22	81.4	97.1	0.036	0.069	0.109	0.227
x 3/4	1.20	x 19	70.8	111.7	0.042	0.083	0.131	0.270
x 5/8	1.02	x 16	60.2	131.4	0.048	0.095	0.149	0.308
x 1/2	0.82	x 13	48.4	163.4	0.061	0.121	0.191	0.395
x 7/16	0.72	x 11	42.5	186.1	0.071	0.130	0.213	0.453
x 3/8	0.62	x 9.5	36.6	216.1	0.075	0.130	0.213	0.504
x 5/16	0.52	x 7.9	30.7	257.7	0.092	0.182	0.286	NR
L5 x 3.5 x 3/4	1.18	127 x 89 x 19	69.6	113.5	0.042	0.083	0.131	0.270
x 5/8	1.00	x 16	59.0	134.0	0.048	0.095	0.149	0.308
x 1/2	0.81	x 13	47.8	165.4	0.061	0.121	0.191	0.395
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L5 x 3 x 1/2	0.81	127 x 76 x 13	47.8	165.4	0.061	0.121	0.191	0.395
x 7/16	0.71	x 11	41.9	188.7	0.071	0.130	0.213	0.453
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L4 x 4 x 3/4	1.17	102 x 102 x 19	69.0	114.5	0.042	0.083	0.131	0.270
x 5/8	0.99	x 16	58.6	134.8	0.050	0.099	0.157	0.324
x 1/2	0.80	x 13	47.2	167.5	0.061	0.121	0.191	0.395
x 7/16	0.70	x 11	41.3	191.4	0.071	0.130	0.213	0.453
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L4 x 3.5 x 1/2	0.79	109 x 89 x 13	46.6	169.6	0.061	0.121	0.191	0.395
x 3/8	0.60	x 9.5	35.4	223.3	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L4 x 3 x 5/8	0.97	102 x 76 x 16	57.2	138.1	0.050	0.099	0.157	0.324
x 1/2	0.79	x 13	46.6	169.6	0.061	0.121	0.191	0.395
x 3/8	0.60	x 9.8	35.4	223.3	0.075	0.130	0.213	0.504
x 5/16	0.50	x 7.9	29.5	268.0	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L3.5 x 3.5 x 1/2	0.80	89 x 89 x 13	47.2	167.5	0.061	0.121	0.191	0.395
x 7/16	0.71	x 11	41.9	188.7	0.071	0.130	0.213	0.453
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.42	x 6.4	24.8	319.0	0.117	0.230	NR	NR
L3.5 x 3 x 1/2	0.80	89 x 76 x 13	47.2	167.5	0.061	0.121	0.191	0.395
x 7/16	0.71	x 11	41.9	188.7	0.071	0.130	0.213	0.453
x 3/8	0.61	x 9.5	36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.52	x 7.9	30.7	257.7	0.092	0.182	0.286	NR
x 1/4	0.42	x 6.4	24.8	319.0	0.117	0.230	NR	NR

Note: All thicknesses are expressed in inches. To convert to Mils, multiply by 1000. To convert to mm, multiply by 25.4

Miscellaneous Shapes

Single Angles

CAFCO® SprayFilm® WB 3 and WB 4 & ISOLATEK® Type WB 3 and WB 4

ASTM Desig.	W/D	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour
L3.5 x 2.5 x 1/2	0.80	89 x 64 x 13	47.2	167.5	0.061	0.121	0.191	0.395
x 3/8	0.61		36.0	219.6	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L3 x 3 x 1/2	0.79	76 x 76 x 13	46.6	169.6	0.061	0.121	0.191	0.395
x 7/16	0.70	x 11	41.3	191.4	0.071	0.130	0.213	0.453
x 3/8	0.60	x 9.5	35.4	223.3	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L3 x 2.5 x 1/2	0.79	76 x 64 x 13	46.6	169.6	0.061	0.121	0.191	0.395
x 7/16	0.70	x 11	41.3	191.4	0.071	0.130	0.213	0.453
x 3/8	0.60	x 9.5	35.4	223.3	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L3 x 2 x 1/2	0.78	76 x 51 x 13	46.0	171.8	0.061	0.121	0.191	0.395
x 3/8	0.60	x 9.5	35.4	223.3	0.075	0.130	0.213	0.504
x 5/16	0.51	x 7.9	30.1	262.7	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L2.5 x 2.5 x 1/2	0.77	64 x 64 x 13	45.4	174.0	0.065	0.128	0.201	0.416
x 3/8	0.59	x 9.5	34.8	227.1	0.075	0.130	0.213	0.504
x 5/16	0.50	x 7.9	29.5	268.0	0.100	0.197	0.310	NR
x 1/4	0.40	x 6.4	23.6	335.0	0.133	0.263	NR	NR
L2.5 x 2 x 3/8	0.59	64 x 51 x 9.5	34.8	227.1	0.075	0.130	0.213	0.504
x 5/16	0.50	x 7.9	29.5	268.0	0.100	0.197	0.310	NR
x 1/4	0.41	x 6.4	24.2	326.8	0.117	0.230	NR	NR
L2 x 2 x 3/8	0.58	51 x 51 x 9.5	34.2	231.0	0.083	0.163	0.257	0.504
x 5/16	0.49	x 7.9	28.9	273.4	0.100	0.197	0.310	NR
x 1/4	0.40	x 6.4	23.6	335.0	0.133	0.263	NR	NR

Note: All thicknesses are expressed in inches. To convert to Mills, multiply by 1000. To convert to mm, multiply by 25.4

PRODUCT DESCRIPTION

Before applying CAFCO SprayFilm WB 3, WB 4, or WB 5 to structural steel, the steel must be primed with a suitable primer approved by Isolatek International. The primer must be applied in accordance with the primer manufacturer's written instructions. In addition, the primer must be fully cured prior to the application of the CAFCO SprayFilm system.

In order to achieve the desired fire resistance ratings for the structural steel, it is essential that the CAFCO SprayFilm be applied at the proper thickness. The correct dry film thickness for SprayFilm can be found in the appropriate design listing in the UL/ULC fire resistance directories. Please note that the dry film thickness in the designs may include the primer thickness.

PRIMER ADHESION TESTING

The primers listed have been evaluated for use with CAFCO SprayFilm Intumescent coatings under laboratory conditions in accordance with ASTM D-4541-95 (Standard Test Method for Pull-Out Strength of Coatings Using Portable Adhesion Testers). The results of these tests indicate the listed primers are compatible with the intumescent basecoat, provided SprayFilm WB 3, WB 4, or WB 5 are applied in accordance with our written application/installation instructions and primer manufacturer guidelines are followed.*

PRECAUTIONS

Zinc-rich primers are not included in this list. Following industry practice, the direct application of intumescent coatings over zinc-rich primers without the use of an approved barrier / tie coat is not allowed. When left exposed for long periods, zinc-rich coatings may form a layer of zinc salts on the surface which may inhibit adhesion of the intumescent coating.

Epoxy coatings may darken or discolor following application and curing and may lose gloss and may chalk when exposed to sunlight. Refer to the primer manufacturer's data page and application instructions for remedial procedures prior to application of the CAFCO SprayFilm coating system.

Please contact the Isolatek Technical Services Department at 800.631.9600 (Option 1) or technical@isolatek.com for further assistance or for the use of primers other than those listed.

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Aervoe	Crown 7707 Galva Bright Premium - Aerosol	X	X	X
Aervoe	1510 Red Oxide (1501 Black, 1502 Gray, 1511 Brown)	X	X	X
Aervoe	Rebar Green Epoxy Paint 1156	X	X	
Albi	Albi 490 W	X	X	X
American Coatings	AK Series Shop Coat Primer (AK3333 Gray Primer - Alkyd Resin Primer)	X	X	X
American Coatings	AK11509 Red Oxide HS VOC 2.8	X	X	X
American Coatings	AK12946 Gray Iron Oxide	X	X	X
American Coatings	AK 16292 2.8 VOC Low HAPs Dark Gray Primer	X	X	X
Ameron International / PPG	Amerlock 400 High Solids Epoxy Coating	X	X	
Ameron International / PPG	Amercoat 5105 Alkyd Primer (oxide red, pearl gray, white)	X	X	X
Anchor Paint Mfg. Co., Inc	B-9912 Lo Voc Brown Primer	X	X	X
Anchor Paint Mfg. Co., Inc	Low HAPS Red Primer CC0658	X	X	X
Anchor Paint Mfg. Co., Inc	Structural Steel Gray Primer, #CC-486	X	X	X
Anchor Paint Mfg. Co., Inc	2653 Red Oxide Primer, Fast Dry	X	X	X
APCO	Fleet Line Series Gray Metal Primer VE703	X	X	X
Behr	Exterior Primer Water Based Primer and Sealer #436	X	X	X
Benjamin Moore & Co.	M14 Shop-Coat Modified Alkyd metal primer	X	X	X

X = Primer has been evaluated and approved

* Isolatek International assumes no responsibility for the duplication of these results in the field as variations in site conditions, surface preparation, formulation changes and other factors are beyond our control.



Brand

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Benjamin Moore & Co.	M29 DTM Acrylic Semi-Gloss	X	X	X
Benjamin Moore & Co.	Super Spec HP Shop Coat Alkyd P-14	X	X	X
Bennette Paint	Very Quick Dry Low VOC Red Oxide Metal Primer #280944	X	X	X
BLP Mobile Paints	MO-BAR Alkyd Universal Metal Primer (28-DR-105, 28-DH-37, 28-DW-12)	X	X	X
Camger Chemical Systems Inc	#100 Enamel Red 10-99 primer	X	X	X
Capital Paint MFG Corp	19958	X	X	
Carboline	Carboguard 893 SG	X	X	X
Carboline	Carbocoat 150 HG Single Component Modified Alkyd	X	X	X
Carboline	Carbomastic 15 Modified aluminum epoxy mastic	X	X	
Carboline	Carboguard 8922 Cross-Linked Epoxy	X	X	
Carboline	Carboguard 134 H6 Alaphatic Polyurethane	X	X	
Carboline	Carbomastic 15 /15 FC Part A 0185A1NL, Part B 0186b1NL	X	X	X
Carboline	Carboguard 888 Epoxy Polyamide Primer	X	X	X
Cardinal	E-305-GR533 Epoxy Powder Coating	X	X	
Caribbean Paint Co.	Red Oxide Primer (1820)	X	X	X
Caribbean Paint Co.	Plioline Combo Red Oxide Primer 1820	X	X	X
Century Industrial Coatings	Dark Red NULO Spray 220-R-347A	X	X	X
Century Industrial Coatings	220-D-252, 220-D-252B	X	X	
Century Industrial Coatings	NULO Spray - HAPs Free Gray Primer W/B 220-D-344	X	X	X
Century Industrial Coatings	NULO Spray - HAPs Free Gray Primer W/B 220-D-321	X	X	X
Century Industrial Coatings	RD Red NULO Spray - HAPs Free Primer W/B 220-R-355A	X	X	X
Century Industrial Coatings	120-D-263, 120-D-264, 120-D-331	X	X	
Century Industrial Coatings	Joist Kote 220-D-406 Waterbased Gray Dip Joist Primer	X	X	X
Century Industrial Coatings	Dark Red Spray Primer 220-R-250/A	X	X	
Century Industrial Coatings	120-D-224A Gray	X	X	
Century Industrial Coatings	120-D-1740 Gray Joist Primer	X	X	
Century Industrial Coatings	120-D-326A - 275 Light Gray Spray Primer	X	X	
Century Industrial Coatings	220-D-358, 220-D-358C	X	X	X
Century Industrial Coatings	220-R-347	X	X	
Century Industrial Coatings	120-D-174Q Gray Joist Primer	X	X	
Century Industrial Coatings	HAPS Free Dark Gray Solvent-based Spray Primer 120-D-253B	X	X	X
Century Industrial Coatings	Dark Gray Vacuum Primer W/B 220-D-253A, 220-D-253B	X	X	X
Century Industrial Coatings	3.0 Gray Joist Primer Joist Kote 120-D-199M	X	X	X
Century Industrial Coatings	Alamo Steel NULO Spray 220-R-345			X
Chemcoat (John L. Armitage)	Armorchem 4500 Red / Gray Alkyd DIP Primer	X	X	X
Century Industrial Coatings	220-R-485 MTH Brown Waterbased Vacuum Primer	X	X	X
Century Industrial Coatings	220-D378B Dark Gray Dip Primer W/B	X	X	X
Century Industrial Coatings	220-R300-103A Fast Dry WB Red Oxide Spray Primer	X	X	X
Century Industrial Coatings	220-D-544B Gray Water-Based Spray Primer	X	X	X
Century Industrial Coatings	Century Guard Joist 220-D-529 Waterbased Gray Dip Joist Primer	X	X	X
Chemcoat (John L. Armitage)	Armorchem 1000 SP Gray / Red / Orange Primer	X	X	X
Chemcoat (John L. Armitage)	Armorchem SP 1000 Gray / Red Primer	X	X	X
Chemcoat (John L. Armitage)	Armorchem WG-4 Hybrid WD-27185V	X	X	X
Chemex	CX-2006 Gray	X	X	
Chem-Pro	Gray No Lift Primer 2078	X	X	

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Cloverdale Paint Co.	Industrial Phenolic Modified Alkyd Shop Primer 71019, 71306, 71312	X	X	X
Cloverdale Paints, Inc.	Universal Phenolic Alkyd Primer 83040 Grey, 83041 Red	X	X	X
Columbia Paint & Coatings	Industrial Shop Prime Red Oxide 07-770	X	X	X
Columbia Paint & Coatings	Universal Metal Primer Phenolic Alkyd 07-450 Red/07-455 Light Gray	X	X	X
Columbia Paint & Coatings	Paint Quick Dry Metal Primer Modified Alkyd 07-466 Gray	X	X	X
Comex Industrial Coatings	E-10 High Solids Epoxy Coating	X	X	
Comex Industrial Coatings	M-10	X	X	
Coronado Industrial Coatings	CORO-BOND Universal Primer 1147 Line	X	X	X
Crest Industries	WS VOC 102 Gray Dip Primer	X	X	X
Davis Frost	P-47 HS Haps Free Alkyd Red Oxide Primer	X	X	X
Davis Frost	23-R612 H.S. Haps Free Red Oxide Primer	X	X	X
Davis Frost	P-042 3.5 VOC Red Oxide Primer	X	X	X
Davis Industrial Coatings	Epoxy Primer L/F Light Gray (4-3687 / 4-8939)			X
Dell + Sons Industrial Coatings	Series 116 Epoxy Kote	X	X	X
Delta Laboratories	3.5 VOC Red Electrostatic Primer 3-22702	X	X	
Delta Laboratories, Inc.	Lead Free Orange High Solids Primer 390027455	X	X	
Delta Laboratories, Inc.	Gray Chromate Alkyd Primer 33H009351	X	X	X
Delta Laboratories, Inc.	Red Shopcoat Primer 30R001055	X	X	X
Devoe	4150-7100 Red Low Voc Shopcoat	X	X	X
Devoe	Devflex PFDTM Akrylic Waterborne	X	X	X
Devoe	Rustguard Q.D. Shop Coat Primer (Red-27453, Gray-27455, Can Am dK Gray-27455)	X	X	X
Devoe	Rustguard 4140 Aklyd Primer (red and gray)	X	X	X
Diamond Vogel	QL-5505	X	X	
Diamond Vogel	PB 5616 Fast Dry Red	X	X	X
Diamond Vogel	Red Oxide R/I L/F PN-5521	X	X	X
Drew	Red Oxide Universal #4230	X	X	X
Dunn-Edwards	W715 Ultra-Grip Acrylic Multi-Purpose Primer	X	X	X
Duron	33-676 Red Oxide	X	X	X
Duron	Red Oxide Metal Primer 33-015	X	X	X
Duron	Dura Clad H.S. Alkyd Shop Coat Red 33-088	X	X	X
Duron	Dura Clad 906-0000 Red Primer	X	X	X
Eagle Bridges Marathon	Grey L/F 1035 shopcoat	X	X	X
Ellis	682 Red / 683 Gray Oils Based Rust Inhib. Primer	X	X	X
Elpaco	4703P	X	X	
Far West Paint	X-6948 AstroGalv V.O.C. Compliant Gray Alkyd Primer	X	X	X
Farrell Calhoun	1099 Red Tuff Boy	X	X	X
Farrell Calhoun	Tuff Boy QD Low VOC Rust Stop Modified Alkyd primer 5-53 Red & 5-54 Gray	X	X	X
Farrell Calhoun	Tuff Boy Quick Dry 6-30	X	X	X
Farwest	Astro Galvanized Red Oxide X-6933	X	X	X
Farwest	TT-P-664C Lacquer Resisting Primer Phenolic Modified Alkyd	X	X	X
Flame Control Coatings, LLC	Flame Control No. 40-40A	X	X	X
Floyd Coatings, Inc.	P257 Gray Primer	X	X	
Forrest Paint Co.	16P Shopcoat Primer	X	X	X
Frazee Paint	661 Metal Prime Interior / Exterior Alkyd Primer	X	X	X
Frazee Paint	681 Metal Prime Interior / Exterior Alkyd Primer	X	X	X

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Griggs Paint	DC740 Ratmoore #7 Gray Water Reducible Primer	X	X	X
Hammerite	Rust Cap Paint	X	X	
Hawthorne Paint	7701 Red Anti-Corrosive Primer	X	X	
Hawthorne Paint	340 Gray Anti-Corrosive Primer	X	X	
Hentzen	02040RIP-4 High Universal Red Oxide Primer	X	X	X
Horn Painting Company	#3508 Gray Primer	X	X	X
Horn Painting Company	#3103 Red Oxide Primer	X	X	X
HSC Industrial Coatings	H24-2097	X	X	
Insul-X	Corotech Shop Primer V142 Series	X	X	X
Intercoastal Paint Company, Inc.	WP-1009 Brown Oxide Fast Dry WB Shop Primer	X	X	X
Intercoastal Paint Company, Inc.	HSP-6462 Brown Oxide High Solids Shop Primer	X	X	X
Intercoastal Paint Company, Inc.	HSP-6466 Dark Gray High Solids Shop Primer	X	X	X
International	Devflex 4216 HP Water-borne Acrylic	X	X	X
International	Interguard 269 Epoxy	X	X	X
International	Interseal 670 HS Surface Tolerant Epoxy	X	X	
International	Interlac 393 Alkyd Red / Gray	X	X	X
International	Inturcure 200HS Rapid Recoat Epoxy	X	X	
Jamestown Coating Technologies	25252B Red Oxide w/r Air Dry Primer	X	X	X
Jones-Blair	Stantest HS Modified Alkyd Primers Low VOC (15245, 15253, 15635)	X	X	X
Jotun	Penguard Primer	X	X	
Kansai Paint's	Paraprime 15	X	X	
Kansai Paint's	Paralux P268HS	X	X	
Kansai Paint's	Paramastic 52	X	X	
KCC	K'Mastic 5000 Surface Tolerant Epoxy Primer	X	X	
Kelley Moore Paint Co.	All-Gard Metal Primer White 1712-100	X	X	X
Kelley Moore Paint Co.	1760 Sop Coat Alkyd Primer	X	X	X
Kelley Moore Paint Co.	265 KM Professional Water-Oil Hybrid	X	X	X
Kenlar	173-0009 super nu-primer	X	X	
Korzite Coatings Inc.	03PA035 HS 10 Deg. Grey Primer MF4	X	X	
Korzite Coatings Inc.	01PAK3 Grey Oxide Primer RMA / MF4	X	X	
Krylon Industrial Coatings	Weld Through Primer K00020102	X	X	X
Lanco	Metal Master Gray Primer mm-200 Gloss finish Latex Paint	X	X	
Lanning Paints	LB-90 Fast Dry Gray Universal Primer	X	X	X
MAB Industrial Coatings	Rust-O-Lastic Alkyd Shop Primer 073299 / 073499	X	X	X
MACLAC	42 Series Red Oxide	X	X	X
Marcus Paint Company	Gray Vacuum Coat Aqua Mar W/R Primer	X	X	X
Martin-Senour Paints	W/R Alkyd 2-2764 Red / 2-2793 Gray	X	X	X
MasterTouch	92R16 Alliance Red Oxide MP Metal Primer	X	X	X
Micron Coatings Inc.	MC4535 Fast Dry A/C Primer Behlen Grey	X	X	X
Miller Paint Co.	Red Oxide Metal Primer Red Oxide #363	X	X	X
Mils Paint	Fast Dry Shop Primer 580 Red	X	X	X
Moline Paint Co.	Red metal	X	X	
Passano Paint Company	Pen-Rust 610-10	X	X	
Perry and Derrick	97197 Snap Dry	X	X	
P.F.I., Inc. - Paints for Industry	Aqualize Alkyd Primer (8-WP-1126 Gray, 5-WP-1101 Red)	X	X	X

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
P.F.I., Inc. - Paints for Industry	Metalize Alkyd Primer (8-HES-1126 Gray, 5-HES-1101 Red)	X	X	X
Pioneer Paint of Arizona	2055 Industrial Epoxy Ester Rust Inhibiting Metal Primer	X	X	
Pittsburgh Paints	SPEEDHIDE Alkyd Rust Inhibitive Primer 6-208 Red (6-212 White)	X	X	X
Porter Coatings	Porterprime 2.8 288 Red Low VOC Modified Alkyd primer	X	X	X
PPG	Pure Performance 9-900 Acrylic Primer	X	X	X
PPG	Multiprime 94-269	X	X	X
PPG	Amercoat 370 - Fast Dry Multi-Purpose Epoxy	X	X	X
PPG	Amercoat 5108	X	X	X
PPG	Amerlock 2	X	X	
PPG	Coraflon Champagne Pearl - A & Coraflon Curing Agent - Comp B	X	X	
PPG	7-852, 7-858 Series Rust Inhibitive Steel Primers Alkyd Resin	X	X	X
PPG	Pitt-Tech 90-712 Series DTM Industrial Enamel Acrylic	X	X	X
PPG	7-844 Alkyd/Oil Resin Primer	X	X	
PPG	MULTIPRIME Low VOC Quick Dry Universal Alkyd Primer 97-680	X	X	
PPG	Pitt-Tech Plus 90-1210	X	X	X
PPG	PITTHANE ULTRA Gloss Urentane Enamel 95-812 Series	X	X	X
PPG	CRE 321 2.1 VOC Corrosion Resistant Epoxy Primer	X	X	X
PPG	Pitt-Tech Plus Int.Ext. DTM Industrial Primer 90-912 Series	X	X	X
PPG	Multi Primer Fast Dry 2.8 VOC 94-258 Series	X	X	X
PPG	Multiprime 4160	X	X	X
PPG	HPC Industrial Alkyd 4308	X	X	
PPG	Fast Dry 4190	X	X	X
PPG	Pitt Tech Plus SG 4216H	X	X	
PPG	Pitt Tech Plus 4020 PF	X	X	X
PPG	Fast Dry 4180	X	X	X
Pratt & Lambert	Steeltech Rust Inhibitive Metal Alkyd Primer S4556 Red / S4551 Gray	X	X	X
Pratt & Lambert	Steeltech Acrylic Prime or Finish Z190	X	X	X
Pratt & Lambert	Techgard S4520 Safety Red Alkyd Primer	X	X	X
Pratt & Lambert	Steeltech Red Oxide Quick Dry Shopcoat Primer S4501	X	X	X
Pratt & Lambert	Steeltech VOC Shopcoat Primer SA4501	X	X	X
Precision Mastermade	388EI	X	X	
Precision Mastermade	217E2	X	X	
Precision Technical Coatings	373-R-1 Red Oxide	X	X	X
Prime-Tech	7-550	X	X	
Prolux	2570-10	X	X	
Prolux	Quick Drying High-Solids Alkyd Primer Grey	X	X	X
Prolux	Quick Drying Alkyd Primer 3914-05 Grey / 3940-10 Red Oxide	X	X	X
Robinson Chemical Coatings	14-R-37 Red Oxide	X	X	X
Rodda	P-80 Quick Drying Metal Primer Gray	X	X	X
Rodda	Barrier III High Solids Alkyd Metal Primers	X	X	X
Rodda Paint	Barrier III Rust Inhibitive Metal Primer			X
Rodda Paint	Barrier III HS Rust Inhibitive Metal Primer	X	X	X
Rodda Paint	6340 Shop Primer 40 Red (LCF) Primer	X	X	X
Rose Taburt	9002 QD Gray Shopcoat Metal Primer	X	X	X
Royal Coatings, Inc.	AQ 610 Waterbased Acrylic Primer	X	X	X

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Rust-Oleum	2068 Quick Dry Red Primer	X	X	X
Rust-Oleum	K7769 Rusty Metal Primer - Alkyd	X	X	X
Sampson Coatings	131400 Exterior Alkyd Quick Dry Shopcoat Primer	X	X	X
Sampson Coatings, Inc.	133040 Sentrx Low VOC fast dry shopkote	X	X	X
Selectone	MR053 Light Grey Metal Primer	X	X	X
Selectone	4142	X	X	
Selectone	MR-27	X	X	
Selectone	MR-19 Red Oxide Primer	X	X	X
Sheboygan Paint Company	RTS L.F. Red Oxide Primer (41-8176)	X	X	X
Sherwin Williams	B50NV12 (B50AV11) Steel Spec Structural Steel Primer	X	X	X
Sherwin Williams	B50AV3973	X	X	
Sherwin Williams	Pro-Cryl Universal Acrylic Primer B66 Series	X	X	X
Sherwin Williams	B50WZ Series GALVITE HS Acrylic Primer	X	X	X
Sherwin Williams	E61RC21 Red (E61AC82 gray) Shopcoat Primer	X	X	X
Sherwin Williams	Red Structural Steel Primer B50XXRW4648	X	X	X
Sherwin Williams	Kem Bond HS Universal Metal Primer B50 Series	X	X	X
Sherwin Williams	Kem Kromik Universal Metal Primer B50 Series	X	X	X
Sherwin Williams	E61R26 Kem Flash Prime Red Oxide	X	X	X
Sherwin Williams	ProMar 200 Interior Latex Eg-Shel B20w2200	X	X	X
Sherwin Williams	Industrial Grey Metal Primer SW28	X	X	
Sherwin Williams	Steel Spec QD Primer (B50A51 Gray / B50R52 Red Oxide)	X	X	X
Sherwin Williams	Steel Spec Shopcoat Primer (B50A53 Gray / B50R57 Red)			X
Sherwin Williams	KEM AQUA 70P Primer E61A570 Gray (E61R572, E61B571, E61W573)	X	X	X
Sherwin Williams	Steel Spec RIP B50AV2314 Gray	X	X	X
Sherwin Williams	Steel Spec Rust Inhibitive Primer	X	X	X
Sherwin Williams	B75 WF 1001 White	X	X	
Sherwin Williams	Alkyd QD Primer B50A50 / B50R51	X	X	X
Sherwin Williams	Ironox primer #29 Red	X	X	X
Sherwin Williams	Envirolastic 980 PA Polyaspartic Urethane	X	X	X
Sherwin Williams	Acrolon 218 HS Acrylic Polyurethane	X	X	X
Sherwin Williams	DTM Acrylic Primer/Finish (B66W1)	X	X	X
Sherwin Williams	Steel Spec Primer (Part A - B58R8 Base / Part B - B58V8 Hardener)	X	X	X
Sherwin Williams	Kem Bond HS Universal Metal Primer B50 Series	X	X	X
Sherwin Williams	Steel Spec Universal Metal Primer B50 - RV6227 Red, AV8431 Gray, WV8430 White	X	X	X
Sherwin Williams	Kem Flash Prime E61 A 45	X	X	X
Sherwin Williams	Water Based Catalyzed Epoxy Part A & Part B	X	X	
Sherwin Williams	Steel Spec Fast Dry Primer (B50AW3 Gray / B50RW3 Red)	X	X	X
Sherwin Williams	Macropoxy 646 Fast Cure Epoxy (Part A -B58-600, Part B - B58V600)	X	X	X
Sherwin Williams	Mil-24441S Type III N10-350 Series Epoxy Polyamide	X	X	
Sherwin Williams	B74AT83 Utility Shop Coat Fast Dry Alkyd Gray Primer	X	X	X
Sherwin Williams	Ironox Primer 96 Gray	X	X	
Sherwin Williams	Macropoxy 646-100 (low voc)	X	X	X
Sherwin Williams	Kem Kromik 100 B50R00100 (low voc)	X	X	X
Sherwin Williams	B66W310 Pro-Cryl Universal Metal Primer (low voc)	X	X	X
Sherwin Williams	B67 Recoatable Epoxy Primer Gray - Parts G and H	X	X	X

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Sherwin Williams	Zero VOC Acrylic (B66-600 Gloss, B66-650 Semi-Gloss, B66-660 Eg-Shel)	X	X	X
Sherwin Williams	B50AS200 2.3 VOC Steel Spec	X	X	X
Sherwin Williams	E41N1 Kromik Primer	X	X	X
Sherwin Williams	Kem Aqua 50P (E61A580)	X	X	X
Sherwin Williams	Low HAPS Light Gray Primer E61AS28			X
Sherwin Williams	Steel Spec FHP 250 Universal Primer/Finish	X	X	
Sherwin Williams	Steel Spec FHP Universal Primer/Finish	X	X	X
Southern Coatings	14507 Red Oxide Primer	X	X	X
Stiles Paint MFG, Inc.	7-550 Red Oxide	X	X	X
Sumter Coatings	100D2314	X	X	
Sumter Coatings	100D7714, 100R7713, 100D7720 Inhibitive Shopcoat Primers	X	X	X
Sumter Coatings	100R8813, 100D8814 High Solids Inhibitive Primers	X	X	X
Sumter Coatings	100R9913, 100D9914 Heavy Duty Inhibitive Primers	X	X	X
Sumter Coatings	100D0031,100R0027, 100W0038 Universal Primers	X	X	X
Sumter Coatings	Red Shopcoat Primer (801R2712 / SP 2712)	X	X	X
Sumter Coatings	100R0984, 100D0985 Structural Shopcoat Primers	X	X	X
Sumter Coatings	196D1635	X	X	
Sumter Coatings	HS Low VOC Inhibitive Primer Gray - 100D8823	X	X	X
Sumter Coatings	Inhibitive Shopcoat Low VOC HS Universal Primer Gray - 100D2230	X	X	X
Sumter Coatings	High Solids - Low VOC Inhibitive Primer (100R8822 Red)	X	X	X
Sumter Coatings	Pretreatment Primer (100G2029 / 100X2030)	X	X	X
Sunburst	#38 Series W/R Alkyd Metal Primer	X	X	X
TCI Coatings Inc.	Aqua Clad High Solids Gray Primer (AC8344)	X	X	
Tnemec	FM 88-0559 - modified short oil alkyd	X	X	X
Tnemec	Series FD 88 Azerox - modified alkyd	X	X	X
Tnemec	Series 10-99 Red (10-1009 Gray) modified alkyd	X	X	X
Tnemec	Series 530 omnithane (50-330 Poly-urea prime) Aromatic Urethane	X	X	
Tnemec	Enduralume Series 1077 Aliphatic Polyurethane	X	X	X
Tnemec	Endura-Shield Series 73 – 2 part polyurethane	X	X	
Tnemec	Azerox H.S. Primer Series 88HS, 555 Red, 599 Gray	X	X	X
Tnemec	Uni-Bond DF Series 115 Acrylic Primer	X	X	X
Tnemec	Series 27 F.C. Typoxy Polyamide Epoxy	X	X	X
Tnemec	Series 136	X	X	
Tnemec	Series V10	X	X	X
Tnemec	Tneme-Fascure Series 161 Primer (2 part epoxy - polyamide epoxy)	X	X	
Tnemec	F.C. Typoxy Series 27 and Series 27WB	X	X	
Tnemec	Series 297 Enviro-Glaze	X	X	X
Tnemec	UVX Series 750	X	X	X
Tnemec	Series L69 High Build Epoxoline II	X	X	X
Tnemec	N69 Hi-Build Epoxoline II	X	X	
Tnemec	Series 66 (2 Part Epoxy-Polyamide Epoxy)	X	X	X
Tnemec	2C 118-30GR Mastic WB Acrylic	X	X	X
Tnemec	Tneme-Fascure Series 161 Primer	X	X	X
Tnemec	Epoxiline WB Series 1224	X	X	X
Tnemec	Chembuild 135			X

Compatible Primer List				
Coating Manufacturer	Coating Designation	WB 3	WB 4	WB 5
Tnemec	1c-27-wb-00wg-Typoxy	X	X	X
Tnemec	1c27-26-gn-fc-Typoxy	X	X	11/08/2022
Tresco Paint Company	Aqualloy Primer	X	X	
Triangle Coatings Inc.	Triprime Red Oxide 902P Series	X	X	X
UCP / Solignum Paint Inc.	OF3-12 Water Based Alkyd	X	X	X
UCP / Solignum Paint Inc.	Fast Dry Primer Grey (5150)	X	X	X
Valley Paint	V-418 Red Oxide Primer	X	X	X
Valley Paint	V-003 Shopcoat Gray	X	X	X
Valley Paint	V-007 Corrosion/Epoxy Resistant Red Oxide Primer	X	X	X
Valley Paint	V-305 Water Reducible Grey Primer	X	X	X
Valspar	High Performance WWA 164-759	X	X	X
Valspar	Duraspar 130 AX Series Primer	X	X	X
Victor Steel Inc	Red Structural Steel Primer	X	X	
Vista Paint	Metal Pro Coating Primer/Finish (4800, 4805, 4810, 4896)	X	X	X
Vista Paint	MP10 Waterborne Red Oxide Shop Primer	X	X	X
Vulcraft	#27-09-1231 Red and Gray Primers	X	X	X
Wasser	Micromastic 100	X	X	X
Yenkin-Majestic	E-9281 Non-Lifting Gray Primer	X	X	X

We have evaluated the compatibility of the above primers under laboratory conditions in accordance with ASTM D4541-95 (Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers). Results of our investigation indicate that the above primers are compatible with the intumescent basecoat, provided SprayFilm WB 3, WB 4 or WB 5 are applied in accordance with our written application/installation instructions and primer manufacturer guidelines are followed.

Isolatek International assumes no responsibility for the duplication of these results in the field as variations in site conditions, surface preparation, formulation changes and other factors are beyond our control.

Precaution: Zinc-rich based coatings are not included in this primer list. In following industry practice, the direct application of Intumescent Coatings over zinc-rich primers without the use of an approved barrier / tie coat is not allowed. When left exposed for long periods, zinc rich coatings may form a layer of zinc salts on the surface which may inhibit adhesion of the Intumescent Topcoat.

Epoxy coatings may darken or discolor following application and curing and may lose gloss and may chalk when exposed to sunlight. Refer to the primer manufacturer's data page and application instructions for remedial procedures prior to application of the CAFCO SprayFilm coating system.

Isolatek International is continually evaluating new primers. Should you require the use of a specific primer for your project which is not on this list, please feel free to send us a quart sized sample or minimum 6"x6" (16 gauge) steel plate with the primer applied. Please e-mail your request to technical@isolatek.com for approval before shipping your sample. Required with the sample will be the primer SDS, primer data sheet, project name, CAFCO material to be evaluated and your contact information.



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We support our customers with unsurpassed technical expertise and customer service, complemented by an extensive global network of experienced sales representatives and recognized applicators. For detailed product information or for the name of the sales representative in your area please contact us.

The performance data herein reflect our expectations based on tests conducted in accordance with recognized standard methods under controlled conditions. The applicator, general contractor, property owner and/or user MUST read, understand and follow the directions, specifications and/or recommendations set forth in Isolatek International's publications concerning use and application of these products, and should not rely merely on the information contained in this Technical Data Sheet. Isolatek International is not responsible for property damage, bodily injuries, consequential damages, or losses of any kind that arise from or are related to the applicator's general contractor's, or property owner's failure to follow the recommendations set forth in Isolatek International's publications. The sale of these products shall be subject to the Terms and Conditions set forth in the Company's invoices.



Isolatek International provides passive fireproofing materials under the CAFCO® and FENDOLITE® trademarks throughout the Americas and under the ISOLATEK® trademark throughout the remainder of the world.

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This is an abbreviated guide and is not intended as a substitute for the Long Form CAFCO SprayFilm WB 3 / ISOLATEK Type WB 3 Application & Installation Manual. Applicator shall completely and fully read and understand the Long Form Application & Installation Manual prior to applying this product.

PUMP REQUIREMENTS:

Pneumatic, electric or gas-powered airless spray pump operating with a minimum fluid pressure of 3,000 psi (207 bar, 20.7mPa, 211 kq/cm²) and 1.25 gpm (4.7 L/m). Remove all filters and rock catcher screens. A direct immersion pump is required. Pumps that utilize siphon hoses at the material intake are not recommended. Recommended pump is a Graco Mark V or equivalent.

MIXING REQUIREMENTS:

Standard shielded drywall mixing paddle or Jiffy style mixer, thoroughly mix for 3-5 minutes prior to use.

HOSE SET-UP:

High pressure, minimum 3/8 in. (10mm) I.D. hose rated to exceed the maximum pump capacity. An optional 1/4 in. (6.35mm) I.D. whip hose is allowable at a maximum of 2 ft. (61cm) in length. Overall hose length is dependent on the application equipment being used.

SPRAY GUN:

A Graco HD Texture Spray Gun Model #241-705, Series B or equivalent with diffuser tip removed capable of handling a minimum 3,000 psi (207 bar, 20.7mPa, 211 kq/cm²) fluid pressure.

SPRAY TIP:

Reversible type. Tip size minimum is 225 and maximum is 431.

BRUSH:

Use a high-grade soft bristle latex paint brush. Brush lightly in one direction using as few strokes as possible. **Do not roll the material.**

TROWEL:

For use only with SprayFilm WB 3 TG / Type WB 3 TG (Trowel Grade), use a straight edge trowel to apply to a smooth even finish.

SURFACE PREPARATION:

All structural steel to be coated with SprayFilm WB 3 / Type WB 3 must first be primed with an approved primer. Primed surface must be free from any grease oil, dirt, loose mill scale, rust or any other contaminant that would inhibit the bond of the product to the primer. Primer must be fully cured and installed in accordance with the primer manufacturer's application instructions before application. A complete list of approved primers can be found on our website www.isolatek.com.

GALVANIZED AND ZINC-RICH PRIMERS:

SprayFilm WB 3 / Type WB 3 cannot be applied directly to galvanized steel or directly over Zinc-Rich primers. An approved tie-coat must be applied in accordance with manufacturer's instructions. Contact Isolatek Technical Services for more information.

SPRAY GUN DISTANCE:

The distance between the spray gun and substrate must be a minimum 18 in. (45 cm). Typical spray gun distance from the substrate is between 24 in. and 36 in. (61 cm and 92 cm).

APPLICATION TEMPERATURE:

Apply product when the ambient air temperature is between 50°F (10°C) and 100°F (38°C). A minimum ambient and substrate temperature of 50°F (10°C) must be maintained during and a minimum of 72 hours after application. Steel surface temperature must be a minimum 4°F (2°C) above the dew point to prevent condensation from forming. The maximum steel temperature is 100°F (38°C).

HUMIDITY:

Do not exceed a relative humidity of 85%. Precautions must be taken to avoid condensation forming on the steel during application. Do not apply product if condensation is present. **High humidity levels will increase drying times and may promote sagging. Reduce the maximum wet film thickness per coat.**

WEATHER PROTECTION:

SprayFilm WB 3 / Type WB 3 must be protected from any and all weather exposure during the application and after the product has fully cured. Tarps may be used to enclose work areas. This procedure, in addition to jobsite heat, will help maintain proper substrate and ambient temperatures

MASKING

Required on all areas not to receive SprayFilm WB 3 / Type WB 3. Masking typically consists of lightweight polyethylene plastic and the appropriate tape/adhesive. It is installed to protect all surfaces not to receive product

CATCH COAT:

For initial coat, apply a "catch coat" between 3 mils and 5 mils (0.076mm and 0.127mm) Wet Film Thickness (WFT), sufficient to cover the primer. The "catch-coat" must dry before subsequent coats can be applied.

SUBSEQUENT COATS:

Product can be applied at the wet film thicknesses shown in the table below. A second coat may be applied within one spray day, provided a minimum drying time of 4 hours is allowed between coats. A maximum of 2 coats can be applied per spray day (24 hrs). The thickness applied per coat is dependent on relative humidity, air and steel temperature, and airflow:

Environmental Conditions	Max. 1 st Coat "Hangability" Wet mils to Recoat in 4 hours	Maximum Subsequent Coats in Wet Mils
70°F (21°C) 50% R.H.	45 mils (1.14mm)	45 mils (1.14mm)
55°F (13°C) 70% R.H.	35 mils (0.89mm)	35 mils (0.89mm)
85°F 30°C) 85% R.H.	40 mils (1.02mm)	40 mils (1.02mm)

VENTILATION:

Provide a minimum of 4 complete air exchanges per hour until the material is dry

DRY TIME:

A minimum of 5 days must be allowed prior to applying a top coat over SprayFilm WB 3 / Type WB 3. Alternatively, achieving a minimum Shore D value of 50 is recommended prior to applying a topcoat. Increased drying time may be required under conditions of low air flow and/or high humidity.

TOPCOATING:

A topcoat is not required by UL for Conditioned Interior Space Purpose and /or Interior General Purpose. Refer to our Finish Coat Materials data page for additional information regarding finish coats.

NOTE: The interior finish coat material must be applied in full accordance with the coating manufacturer's written instructions. **DO NOT APPLY THE TOPCOAT UNTIL THE FINAL THICKNESS OF THE SPRAYFILM WB 3 / Type WB 3 IS VERIFIED AND THE FINISH OF THE INSTALLED PRODUCT IS ACCEPTABLE.**

SAFETY PRECAUTIONS:

Safety glasses, gloves, and a dust mask should be worn in cases where individuals are exposed to airborne mists of the material. **Refer to the SDS for complete health and safety information.**

STORAGE/SHELF LIFE:

Product must be stored in a dry environment with temperatures between 33°F (1°C) and 100°F (38°C). The shelf life of the material is 12 months in unopened, sealed containers, properly stored.

NOTE: Only the listed equipment and procedures are approved for applying CAFCO SprayFilm WB 3 / ISOLATEK Type WB 3. Deviations from these requirements will result in product not meeting claims as published in the literature. **For additional information, please contact the Technical Service Department.**



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