

**CAFECO SprayFilm WB 4 / ISOALTEK Type WB 4**, combined with CAFECO SprayFilm Topseal / ISOALTEK Type Topseal, is a water-based system investigated by UL for use in exterior applications to provide fire resistance to structural steelwork. An exterior finish coat must be applied over Topseal to provide a smooth, durable and decorative finish. The entire SprayFilm WB 4 / Type WB 4 system (the WB 4 basecoat, Topseal / Type Topseal and exterior finish coat) must be maintained throughout the service life of the building.

It is important that the appropriate Dry Film Thickness (DFT) of SprayFilm WB 4 / Type WB 4 and SprayFilm Topseal / Type Topseal be applied to provide the required fire resistance rating.

In order to prepare an accurate estimate, it is necessary to collect and understand all relevant information on the project. The following items are required:

- 1) Complete copy of specification and all addenda.
- 2) Complete set of plans.
- 3) Complete understanding of where the SprayFilm WB 4 / Type WB 4 system will be used.

Please refer to the SprayFilm WB 4 / Type WB 4 Application Manual for proper installation procedures and the Safety Data Sheet for health and safety precautions.

The attached worksheet will aid the estimator with the project takeoff. Please feel free to make additional copies of this worksheet. **An electronic and automated version of this estimating guide is available upon request.** Our Technical Services Team is available to assist you with your intumescent takeoff.

### ESTIMATING PROCEDURE FOR THE SPRAYFILM WB 4 / Type WB 4 SYSTEM:

1. Identify and separate the steel sections to be protected according to size. Enter these members under the "Member Designation" column on the attached worksheet.
2. Insert the W/D or A/P ratios along with the square foot per lineal foot factors for each member into columns "1" and "3", respectively.

3. Insert total lineal feet for each member size into column "2".
4. Multiply Columns "2" and "3" to reach total square feet per member. Insert this value into column "4".
5. Determine the required fire resistance rating and corresponding SprayFilm WB 4 / Type WB 4 thickness for each member designation. Insert this thickness as a whole number in "mils" into column "5".
6. Divide the coverage factor, which in this case is '1122' by the mils listed in column "5" to obtain total US gallons per square foot. Insert this number into column "6". For example, if you require 164 mils, then  $1122 \div 164 \text{ mils} = 6.84 \text{ sq. ft. / gal.}$
7. Divide column "4" by column "6" to arrive at total gallons required for the member(s). Insert this number into column "7".
8. In order to determine the number of coats required by either brush or spray application, divide the required mil thickness listed in column "5" by the desired number of mils per coat. Brush applications typically range from 12 to 20 mils per coat and spray applications typically range from 15 to 60 mils per coat.
9. Repeat procedures 1 through 8 for each member size and total the items. Add the determined waste factor to establish a sub-total.
10. CAFECO SprayFilm WB 4 / ISOALTEK Type WB 4 basecoat is delivered in 5 gallon pails; therefore the total gallons shall be divided by five (5) to obtain the total pail count.
11. CAFECO SprayFilm Topseal / ISOALTEK Type Topseal must be applied at a dry film thickness of 14 mils over the basecoat. In order to determine total 1.5 gal. kits required, you must add up total square feet of all members listed in column "4". This result must be divided by 120.3, which is the theoretical sq. ft. / kit for CAFECO SprayFilm Topseal / ISOALTEK Type Topseal applied at a DFT of 14 mils.

Labor, waste factors and incidental costs will represent a significant percentage of your estimated costs and project bid price. Labor, masking, setup, machinery, clean up, etc. should all be taken into consideration when calculating total costs for the project.



Customer:  
 Project:  
 Location:  
 Hourly Rating:

**CAFCO<sup>®</sup> SprayFilm<sup>®</sup> WB 4 with Topseal<sup>®</sup> / ISOLATEK<sup>®</sup> Type WB 4 with Type Topseal Estimating Table**

UL Design Nos.: CAFCO SprayFilm WB 4 with Topseal / ISOLATEK Type WB 4 with Type Topseal MEMBER DESIGNATION	1  W/D or A/P VALUE	2  Total Lin. Ft. of Member	3  Sq.Ft. Per Lin.Ft. Factor	4  (col 2 × col 3) Total Square Foot Per Member	5  SprayFilm WB4 / Type WB 4 Dry Film Thickness (mils)	6  (1122 ÷ col 5) Total US Gal.'s Per Square Ft.	7  (col 4 ÷ col 6) Total Gallons Required	No. of Application Coats in mils (Brush)	No. of Application Coats in mils (Spray)

**Notes:**

Sum (gal's): \_\_\_\_\_ Plus % waste \_\_\_\_\_  
**TOTAL GALLONS =** \_\_\_\_\_  
**TOTAL PAILS =** \_\_\_\_\_  
**Total 1.5 Gal. Topseal Kits =** \_\_\_\_\_  
**Plus % Topseal Waste =** \_\_\_\_\_

SprayFilm WB 4 / Type WB 4 coverage based on 70% SBV (1122 sq. ft. / gal. @ 1 mils).  
 Topseal / Type Topseal coverage is based on 70% SBV (1122 sq. ft. / gal. @ 1 mils).  
 The tables and use factors provided are accurate to the best of our knowledge.  
  
 They are not intended to take the place of careful calculation, analysis and review by the estimator. Isolatek International assumes no responsibility for the use of this guide.  
 The data herein is intended for guidance only, and responsibility rest with the user.  
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