

**CAFCO SprayFilm WB 5** is designed to provide fire resistance to structural steelwork. In a fire, a chemical reaction takes place, causing the SprayFilm WB 5 to expand and provide an insulating layer. This layer insulates the steel, allowing it to retain its strength and enabling the structure of the building to remain intact.

It is important that the appropriate Dry Film Thickness (DFT) of SprayFilm WB 5 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 SprayFilm WB 5 will be used.

Please refer to the SprayFilm WB 5 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 SPRAYFILM WB 5:**

1. Identify and separate the steel sections to be protected according to size. Enter these member's 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 5 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 '1155' 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  $1155 \div 164 \text{ mils} = 7.05 \text{ sq. ft. / gal.}$
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. CAFCO SprayFilm WB 5 is delivered in 5 gallon pails; therefore the total gallons shall be divided by five (5) to obtain the total pail count.

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.

