

## 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 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.

Please contact the Isolatek Technical Services Department at 800.631.9600 (Option 1) or [technical@isolatek.com](mailto: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
Royal Coatings, Inc.	AQ 610 Waterbased Acrylic 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.

X = Primer has been evaluated and approved

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