

This is an abbreviated guide and is not intended as a substitute for the Long Form CAFCO SprayFilm WB 4 / ISOLATEK Type WB 4 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 1.25gpm (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 4 TG / Type WB 4 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 4 / Type WB 4 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 4 / Type WB 4 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 4 / Type WB 4 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 4 / Type WB 4. 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 (0.076 mm and 0.13 mm) Wet Film Thickness (WFT), sufficient to cover the primer. The “catch-coat” must dry 1 to 2 hours 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 4 / Type WB 4. Alternatively, achieving a minimum Shore D value of 50 is recommend 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: DO NOT APPLY THE TOPCOAT UNTIL THE FINAL THICKNESS OF THE SPRAYFILM WB 4 / Type WB 4 IS VARIFIED AND THE FINISH OF THE INSTALLED PRODUCT IS ACCEPTABLE.

EXTERIOR USE:

For exterior use, UL requires that SprayFilm WB 4 / Type WB 4 be coated with CAFCO® SprayFilm® Topseal® / ISOLATEK® Type Topseal® at a total DFT of 14 mils (0.35mm), applied in two coats. Refer to the SprayFilm WB 4 / Type WB 4 application guide for additional information.

EXTERIOR FINISH COAT:

Isolatek International requires that for exterior use, an approved exterior finish coat be applied to a minimum DFT of 7 mils over the surface of the SprayFilm Topseal / Type Topseal within 14 days of the final application. A minimum of 24 hours shall be allowed prior to the application of the exterior finish coat. The exterior finish coat must be installed in accordance with manufacturers written application and installation instructions.

TERMINATION POINTS:

All exposed product edges/termination points of the SprayFilm WB 4 / Type WB 4 system shall be sealed in order to avoid intrusion of moisture. To properly seal the edges/terminations, SprayFilm Topseal / Type Topseal shall extend from all edges/terminations of the SprayFilm WB 4 / Type WB 4 onto the adjacent substrate a minimum of 2 inches at a minimum DFT of 7 mils (0.17mm). In locations where SprayFilm Topseal / Type Topseal cannot extend beyond the protected substrate, a high-grade exterior silicone caulk shall be installed onto the adjacent or adjoining substrate in a manner suitable to completely seal the termination point.

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 4 / ISOLATEK Type WB 4. 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.**



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

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