

Technical Data Sheet

No-Burn® Plus XD

Product Description: No-Burn® Plus XD, developed specifically for spray polyurethane foam (SPF) barrier requirements, is an intumescent, latex based coating that acts as a shield protecting the substrate from the exposure or propagation of flame by surrounding the treated material with a protective char-barrier. No-Burn® Plus XD is supplied in 5-gallon (19 L) pails and 55-gallon (208 L) drums.

Surface Preparation: Prior to the application of No-Burn® Plus XD, the surface must be free from all deposits, including dust, dirt, oil, paint flakes scales, wax, etc. for the product to adhere properly to the substrate. No-Burn® Plus XD should be at or above 40° F, prior to and during application. The substrate to be treated should be at or above 40° F, prior to and during application. Moisture content of the substrate must not exceed 19 percent during the application of No-Burn® Plus XD.

Product Preparation: No-Burn® Plus XD should never be allowed to freeze (32° F), should be stored between 40° F and 90° F, and should be kept out of direct sunlight. If you cannot verify that these conditions have been maintained, the product may need to be disposed of in accordance with the manufacturer's MSDS. Use the product as is; **DO NOT DILUTE**. Acquire recommended mixing and application equipment per the manufacturer's Technical Data Sheet and/or product label. Call No-Burn, Inc. for more information.

Equipment/Spraying: Primary method of application is an airless electronic sprayer. Other methods of application include roller or brush. Manufacturers and models of airless spray equipment vary. Examples of applicable equipment follow:

Equipment: Airless Sprayers				
Model	Graco	Max PSI	Max Output	Max Tip Sizes
	Ultra Max II 795*	3300	.95gpm	1 gun - .031 in. tip
	Ultra Max II 1095	3300	1.1gpm	1 gun - .033 in. tip
	Ultra Max II 1595	3300	1.25gpm	1 gun - .037 in. tip

Equipment: Airless Sprayers				
Model	Titan	Max PSI	Max Output	Max Tip Sizes
	840 Impact*	3300	1gpm	1 gun - .032 in. tip
	1140 Impact	3300	1.2gpm	1 gun - .034 in. tip
	1640 Impact	3300	1.3gpm	1 gun - .039 in. tip

Recommendations:	
Removal of filter is recommended from both the spray gun and the pump to allow for the passage of solid content.	
*Manufacturer recommends max hose length of 50 ft.	
Airless sprayer hoses are recommended to have an inside diameter of 3/8" or larger.	

Mixing: No-Burn® Plus XD has a high solids content that must be suspended evenly throughout the mixing process, and it **must be thoroughly mixed before use** in accordance with the manufacturer's recommendations.

No-Burn® Plus XD should be mixed with a Squirrel™ 5 gallon power mixing wand or equivalent at or between 500-1500 RPM for a mixing time of 5 minutes per pail.

***Shaking No-Burn® Plus XD with a paint shaker, is NOT sufficient.**

If No-Burn® Plus XD is mixed more than 24 hours prior to use, mix it again according to the manufacturer's instructions. No-Burn® Plus XD may be tinted at a maximum rate of 2 oz. of tint per gallon.

Application: When using an airless sprayer, it is commonly recommended that the spray equipment be capable of producing a minimum of 3,300 p.s.i. of pressure and that it can accommodate the **recommended tip orifice sizes of .025 - .031**. Removal of filter is recommended from both the spray gun and the pump to allow for the passage of solid content. **The most common tip for applying No-Burn® Plus XD over spray foam or similar applications is 527**, but variations in spray pattern width and tip size may be required depending on the surface area and the substrate to which the product is being applied.

Wear a certified respirator and protective eyewear when applying Plus XD. Refer to the MSDS for more information.



- ICC-ES Report #1826
- ICC-ES Report #1172
- ICC-ES Report #2600
- ICC-ES Report #2940
- ICC-ES Report #3034
- Coverage rate: 90-300 square feet per gallon (reference relevant third party test reports).



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For more information, please contact:
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Limited Warranty Information:

No-Burn, Incorporated warrants that the No-Burn® formula will be manufactured to the same specifications and quality, and will perform equally to the tests performed by the independent laboratories when properly applied by a certified No-Burn® applicator. Warranty coverage is limited solely to the cost of product purchased hereunder and specifically excludes incidental expenses and consequential damages. All implied warranties from No-Burn® Incorporated are excluded. There may be situations and materials for which No-Burn® products will not prevent a fire from igniting or retard the progress of a fire.

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Dry Time: Typically between 60 to 90 minutes, depending on the ambient temperature and relative humidity conditions. Allow No-Burn® Plus XD to dry completely between coats, if more than one coat is required, or before the addition of a water-based top coat.

Clean-up & Storage: Soap and water. Store at or between 40° F and 90° F, and keep out of direct sunlight. Do NOT allow product to freeze. Dispose of remaining product per manufacturer's MSDS. To recycle pails visit, <http://www.wbdg.org/tools/cwm.php>.

Typical Physical Properties Plus XD:

Color:	Opaque/White or as specified
VOC:	18 g/L EPA Method 24
Specific Gravity:	1.25
Boiling point:	212F
Freezing Point:	32F
% Volatile by Volume:	45%
Flash Point:	N/Av
Clean-up:	Soap and water
Cure time:	24 hours
Shelf life:	36 months
Drums:	55 gallons, 605 lbs
Pails:	5 gallons, 55 lbs



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