

Technical Data Sheet

No-Burn® Plus/Plus Mih

Product Description: White, flat, low VOC, "Class A" intumescent paint. Supplied in 5-gallon (19L) pails and 55-gallon (208 L) drums.

Use: Unfinished or finished surfaces, including: engineered lumber and sheathing, spray polyurethane foam, gypsum wallboard, structural insulated panels (SIPs) and other materials.

Surface Preparation: Prior to the application of No-Burn® Plus/Plus Mih, 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/Plus Mih 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/Plus Mih.

Product Preparation: No-Burn® Plus/Plus Mih 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 2 guns - .023 in. tips
	Ultra Max II 1095	3300	1.1gpm	1 gun - .033 in. tip 2 guns - .025 in. tips
	Ultra Max II 1595	3300	1.25gpm	1 gun - .037 in. tip 2 guns - .025 in. tips

Equipment: Airless Sprayers				
Model	Titan	Max PSI	Max Output	Max Tip Sizes
	840 Impact	3300	1gpm	1 gun - .032 in. tip 2 guns - .021 in. tips
	1140 Impact	3300	1.2gpm	1 gun - .034 in. tip 2 guns - .023 in. tips
	1640 Impact	3300	1.3gpm	1 gun - .039 in. tip 2 guns - .025 in. tips

Recommendations:	
Removal of filter is recommended from both the spray gun and the pump to allow for the passage of solid content.	
Airless sprayer hoses are recommended to have an inside diameter of 1/4" or larger.	

Mixing: No-Burn® Plus 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/Plus Mih 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/Plus Mih with a paint shaker, is NOT sufficient.**

If No-Burn® Plus/Plus Mih is mixed more than 24 hours prior to use, mix it again according to the manufacturer's instructions. No-Burn® Plus/Plus Mih may be tinted at a maximum rate of 2 oz. of tint per 5 gallon pail.

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 .015-.019**. Removal of filter is recommended from both the spray gun and the pump to allow for the passage of solid content. 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/Plus Mih. Refer to the MSDS for more information.

No-Burn® Plus/Plus Mih 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/Plus Mih. 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. Refer to appropriate mixing instructions utilizing the recommended application equipment. Overcoats need to be water-based with a pH of 7-8. Prior to the use of any overcoat, it is recommended that an inconspicuous area be tested for compatibility before widespread application. Compatibility may be noted as the overall satisfactory condition of the substrate once No-Burn® Plus/Plus Mih and an overcoat have been applied.



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- ICC-ES Report #1838
- ICC-ES Report # 3199
- ICC-ES Report #2642
- ICC-ES Report #3102
- IAPMO-ES Report #0172
- Coverage rate:
125-300 square feet per gallon
(reference relevant third party test reports).

For more information, please contact:
No-Burn, Inc.'s Corporate Office
800-989-8577 • info@noburn.com •
www.noburn.com

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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Interior Applications: No-Burn® Plus/Plus Mih should be at or above 40°F, prior to and during application. The substrate to be treated and ambient temperature 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/Plus Mih. The surface must be free from all deposits, including dust, dirt, oil, paint flakes, wax, etc. for the product to adhere properly to the substrate. Refer to appropriate mixing instructions utilizing the recommended application equipment. Overcoats need to be water-based with a pH of 7-8. Prior to the use of an overcoat, it is recommended that an inconspicuous area be tested for compatibility before widespread application. Compatibility may be noted as the overall satisfactory condition of the substrate once No-Burn® Plus/Plus Mih and an overcoat have been applied.

Exterior Applications: No-Burn® Plus should be at or above 40°F, prior to and during application. The substrate to be treated and ambient temperature 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. Remove loose paint, previous sealer(s) and clear-away any dirt or grease. Sanding the substrate may be necessary. No-Burn® Plus should be applied with caution to preservative treated lumber. Preservative treated lumber should have gone through the natural aging process, which is typically a year or two for most nominal lumber, prior to the application of No-Burn® Plus. For exterior applications, No-Burn® Plus needs to be overcoated with a high quality exterior, water-based, UV resistant paint. For further information about the No-Burn® Plus Exterior System, call No-Burn, Inc. Specific exterior topcoats may also be recommended by the manufacturer. No-Burn® Plus Mih is not applicable for exterior applications.

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

Maintenance: When No-Burn® Plus is overcoated, in exterior applications only, special consideration should be paid to the overcoat's retreatment instructions and recommendations. Prior to the reapplication of an overcoat, No-Burn® Plus may need to be reapplied.

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:

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:	38%
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

Typical Physical Properties

Plus Mih:

Color:	Opaque/White or as specified
VOC:	22 g/L EPA Method 24
Specific Gravity:	1.25
Boiling point:	212F
Freezing Point:	32F
% Volatile by Volume:	38%
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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