



LISTING REPORT FOR SURFACE BURNING CHARACTERISTICS

LISTING SUBJECT:

No-Burn® Plus and Plus XTR

LISTEE:

No-Burn®, Inc.
1392 High Street
Wadsworth, Ohio 44281
(800) 989-8577
www.noburn.com

CSI Division: 09 00 00 FINISHES
CSI Section: 09 96 46 Intumescent Paint

1.0 SCOPE OF LISTING

1.1 Compliance with the following Standards:

- ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM E2768-11, Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)

1.2 Properties assessed:

- Surface Burning Characteristics

2.0 FINDINGS

2.1 Product Information: No-Burn® Plus and Plus XTR are white, water-based thin film intumescent coatings when exposed to high temperatures and flame, intumesces creating a char-barrier protecting treated substrates from fire. Packaged in 5-gallon (18.9 L) pails and 55-gallon (208 L) drums. The coatings have a shelf life of two years when stored in unopened containers between 40°F and 90°F (4.4°C and 32.2°C).

2.2 Surface Burning Characteristics: As listed in Table 1, No-Burn® Plus and Plus XTR when applied to the specified substrates, tested in accordance with ASTM E84/ASTM E2768 extended 30 minute duration, exhibited a flame spread index of 25 or less. The flame front did not progress more than 10.5 ft. (3.2 m) beyond the centerline of the burners during the 30 minute exposure.

3.0 DESIGN AND INSTALLATION

3.1 General: No-Burn® Plus and Plus XTR shall be applied to the substrates in accordance with this listing and the No-Burn®, Inc. published instructions, by applicators qualified by No-Burn®, Inc. Copies of this listing and the No-Burn®, Inc. instructions shall be available at the jobsite. Where conflicts occur, the more restrictive shall govern. Before and during coating application, substrate surfaces shall be dry, clean and free from loose debris, dirt, grease, oil and all prior coating materials such as paint, stains and sealers. The substrate shall not have, nor have been exposed to, treatments, chemicals, coatings, etc.

No-Burn® Plus and Plus XTR shall be mixed with a power mixing wand or equivalent at or between 500 to 1500 RPM for a mixing time of 5 minutes per container. No-Burn® Plus and Plus XTR shall result in a distinctive white color. For verification of the wet applied thickness, a standard painter's thickness gauge shall be used during the application. The finished dry mil thickness will be 0.40-0.70 times the wet mil thickness. Immediately before placing the coatings, the applicator shall verify the moisture content of the substrate in accordance with the substrates contained in Table 1 of this listing. Surface and ambient temperatures before and during application shall be 40°F

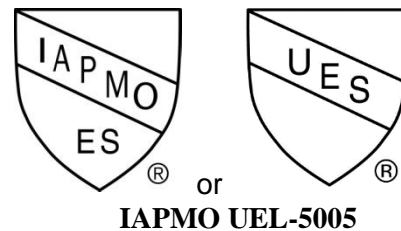
(4.4°C) minimum. Surface temperatures shall not exceed 100°F (37.7°C) during application. Cure time is 24 hours minimum. No-Burn® Plus and Plus XTR shall be applied at an application rate in accordance with the substrates contained in Table 1 of this listing by sprayer, roller or brush. The frequency of thickness measurements with a wet film thickness gauge during the application of each coat shall be at a minimum, measured once every 100 ft² (9.29 m²) of surface area. No-Burn® Plus and Plus XTR may be overcoated with latex paint per manufacturer's instructions. An installation certificate as shown in Figure 1 of this listing shall be completed by the applicator and submitted to No-Burn®, Inc. and other interested parties.

Table 1

SUBSTRATES			
SURFACE BURNING CHARACTERISTICS			MAX MOISTURE CONTENT
No-Burn® Plus	Douglas Fir	6 mils wet (4 mils dry) 275 sq. ft. per gallon	19%
	Oriented Strand Board	8 mils wet (5 mils dry) 200 sq. ft. per gallon	16%
	Southern Yellow Pine	10 mils wet (6 mils dry) 160 sq. ft. per gallon	19%
	Laminated Strand Lumber (LSL)	10 mils wet (6 mils dry) 160 sq. ft. per gallon	16%
	Laminated Veneer Lumber (LVL)	10 mils wet (6 mils dry) 160 sq. ft. per gallon	16%
No-Burn® Plus XTR	Oriented Strand Board	10 mils wet (6 mils dry) 160 sq. ft. per gallon	16%

4.0 IDENTIFICATION

Containers of the coatings are identified by a label affixed on product packaging. The label shall include the No-Burn®, Inc. name and address, product name, batch number, expiration date, application instructions, name or logo of the inspection agency (Intertek Testing Services NA Ltd.) and the IAPMO Uniform ES Mark of Conformity; and the Evaluation Listing Number (UEL-5005) to identify the product recognized in this listing.





LISTING REPORT

Number:

UEL-5005

Originally Issued: 10/07/2016

Revised: 10/29/2020

Valid Through: 10/31/2021

A handwritten signature in blue ink that reads "Brian Gerber".

Brian Gerber, P.E., S.E.
Vice President, Technical Operations
Uniform Evaluation Service

A handwritten signature in blue ink that reads "Richard Beck".

Richard Beck, PE, CBO, MCP
Vice President, Uniform Evaluation Service

A handwritten signature in blue ink that reads "Russ Chaney".

GP Russ Chaney
CEO, The IAPMO Group

For additional information about this evaluation report please visit
www.uniform-es.org or email at info@uniform-es.org



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Number:

UEL-5005

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NO-BURN® PRODUCT APPLICATION CERTIFICATE

LOCATION OF BUILDING:

Address	Lot #	City	State	Zip
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DESCRIPTION AND USE OF BUILDING:

Certified Applicator Name

Company

Certified Applicator Number

Moisture Meter Reading (Max % Noted in Table 1)	Temp Reading (°F)	Describe Area Treated	Size of Area Treated (Surface Area SqFt)	Product Applied	Substrate (Noted in Table 1)	Qty. (Application Rate)	Date Applied

Certified Applicator Signature

Date of Service

FIGURE 1