

MANUFACTURER

No-Burn, Inc.
1392 High Street, Suite 211
Wadsworth, Ohio 44281
www.noburn.com

DESCRIPTION

No-Burn® Original is a transparent, water-based fire retardant coating when exposed to high temperatures and flame, reduces flame spread and smoke developed. Certified to be applied to a variety of *Substrates*, fire performance compliance is achieved with the appropriate wet film thickness.

1. PRIMARY USES

For use in new and existing buildings, complying with the IBC® and other applicable codes or standards, Original is utilized in applications where it provides:

- Surface Burning Characteristics
- Interior Finish Classification Class I or Class A: FS 5-6 / SD 5-122

View [Evaluation Report \(ER 305\)](#) for more information.

2. SPECIFICATIONS

Color:	Transparent/Tinted
Finish:	Flat
VOC Content:	0 g/L EPA Method 24
Dry Time:	60-90 Minutes
Pails:	5 Gallons (19 L), 55 lbs.
Drums:	55 Gallons (208 L), 605 lbs.
Shelf Life:	24 Months
Cure Time:	24 Hours
Boiling Point:	212°F
Freezing Point:	32°F
% Volatile by Volume:	68%
Specific Gravity:	1.17

View product [Safety Data Sheet \(M\)SDS](#) for more information.

3. PRODUCT PERFORMANCE

No-Burn® Original may be used in the *Primary Uses* expressed. Limiting flame spread and smoke developed, Original provides Class A or Class 1 fire protection.

Offering the best interior finish classification as code requires, Original is a transparent fire protective coating for exposed wood *Substrate(s)* and finish carpentry.

4. APPLICABLE STANDARDS

No-Burn® Original may be specified in compliance of the following:	
ANSI/ASHRAE/ICC/USGBC Standard 189.1	GSA PBS-P100
ASTM E84	ICC/ASHRAE 700 NGBS
CAN/ULC-S102	IgCC
CARB	LEED v3 2009
CDPH (CA Spec 01350)	LEED v4
CHPS	NFPA 255
CSFM Flame Retardant: C-24301	SCAQMD Rule 1113
ECO17	UL 723

Table 1

Substrates			
Material	Film Thickness	Spread Rate	Max Moisture Content
Douglas Fir	5 wet	300 sq. ft./gal. 75 sq. ft./quart	19%
Oriented Strand Board (OSB)	5 wet	300 sq. ft./gal. 75 sq. ft./quart	16%

5. MIXING and TINTING

Original must be thoroughly mixed before use in accordance with the manufacturer's recommendations. Shaking No-Burn® Original is ONLY permissible when packaged in a quart bottle; otherwise, Original should be mixed with a Squirrel™ 5 gallon power mixing wand or equivalent at or between 500-900 RPM for a mixing time of 10 minutes per pail. Shaking No-Burn® Original with a paint shaker is NOT sufficient. Use the product as is: **DO NOT DILUTE**. If No-Burn® Original is mixed more than 24 hours prior to use, mix it again according to manufacturer's instructions.

Original should never be allowed to freeze 32°F (0°C), stored between 40°F and 90°F (4.4°C and 32.2°C), and kept out of direct sunlight; if you cannot verify that these conditions have been maintained, the product may be disposed of in accordance with the manufacturer's (M)SDS.

If tinting is desired, Original may be tinted at a maximum rate of 1 oz. of tint per gallon. It is recommended that No-Burn® Green Dye, manufactured by No-Burn, Inc., be used for tinting. Contact the manufacturer for additional tinting information.

To recycle pails visit, <http://www.wbdg.org/tools/cwm.php>.

6. APPLICATION

When applying No-Burn® Original, the coating shall be applied to *Substrate(s)*, as applicable, in accordance with Evaluation Report (ER) 305 and/or manufacturer's technical data sheet/instructions. Copies of relevant technical data and/or documents shall be available at the jobsite.

Before and during coating application, the *Substrates'* surfaces shall be dry, clean and free from loose debris, dust, dirt, grease, oil, and all prior coating materials, such as paint, stains and sealers. The *Substrate(s)* shall not have, nor have been exposed to, treatments, chemicals, coatings, etc. prior to the application of Original. Sanding the *Substrate(s)* may be necessary. Essentially, the *Substrate(s)* to be coated must be porous and properly prepared to receive No-Burn® Original.

When verification of the transparent coating is required by the code official, field testing shall be conducted as follows: flame from a propane-fueled torch shall be applied to the coated area and to a sample of uncoated *Substrate* for a minimum of 10 seconds. The presence of the coating shall be observable through the comparison of the reactions of the coated and uncoated *Substrates* to the flame. The finished dry mil thickness will be 0.40-0.70 times the wet mil thickness.

Original shall be applied to the *Substrate(s)* and immediately before placing the fire retardant coating, the applicator shall verify the moisture content of the *Substrate(s)* with a moisture meter, as applicable, in accordance with manufacturer recommendations. The *Substrate(s)* shall be in the final position in the building, directly exposed to the

interior, protected from the weather, in conditioned and unconditioned locations. Furthermore, Original shall be applied to areas within the weatherproofing membrane or surfaces not exposed to weather, where the *Substrates'* in-service dry-use moisture content conditions are expected to be at or less than recommended.

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. The coating shall be applied at the application rate set forth by spraying or brush. Dry time is typically 60-90 minutes and cure time is 24 hours minimum, depending on the ambient temperature and relative humidity conditions. If more than one coat is required or before the addition of a top coat, allow No-Burn® Original to dry completely between coats. Overcoats shall 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(s)* once No-Burn® Original and an overcoat have been applied.

For exterior applications, Original must be overcoated with a high quality exterior water-based, UV resistant sealer. Exterior topcoats may be recommended by the manufacturer. When overcoated in exterior applications, special consideration should be paid to the overcoat's instructions and recommendations. Prior to the reapplication of an overcoat, No-Burn® Original may need to be reapplied.

No-Burn® Original coated *Substrate(s)*, other than during normal construction delays, may need protection from prolonged exposure to adverse weather conditions. Use plastic sheets or tarps to protect from extended weather exposure while in transit, storage or during construction. Follow manufacturer instructions and APA's Engineered Wood Construction Guide Form E30 for storage and handling recommendations.

Store No-Burn® Original coated *Substrate(s)* in clean, dry areas off the ground. It is recommended to store No-Burn® Original coated *Substrate(s)* indoors; if stored outside, cover with plastic sheets or tarps, and keep cover open and away from the sides and bottom of *Substrate(s)* to allow for air circulation. No-Burn® Original coated *Substrate(s)* being transported on open truck beds or railcars should be covered with tarps to avoid extended weather exposure.

7. EQUIPMENT

Methods of application include airless sprayer, compressed air sprayer, trigger sprayer or brush. Manufacturers and models of airless spray *Equipment* vary and examples of applicable *Equipment* follow. Airless spray *Equipment* recommendations have been linked for reference to manufacturer specifications.

Manufacturer	Equipment	
	Model	
Graco®	Ultra 395	Ultra 395 PC
	Ultra Max II 795*	Ultra Max II 1595*
	Ultra Max II 1095*	TexSpray Mark V*
Titan®	Impact™ 440	Impact™ 540
	Impact™ 840*	PowrTwin™ 6900 Plus*
	Impact™ 1140*	PowrTwin™ 8900 Plus*

*Also applicable for No-Burn® Intumescent Coatings

Airless spray *Equipment* must be capable of producing a minimum of 1,200 psi, and recommended tip orifice sizes are .012-.017. Variations in spray pattern width and tip size may be required depending on the surface area and the *Substrate(s)* to which Original is being applied. Cleanup of *Equipment* may be with water, or other methods recommended by the *Equipment* manufacturer.

8. PERSONAL PROTECTION & EXPOSURE CONTROLS

For larger projects, wearing a certified respirator and goggles to avoid overspray and splashing are recommended. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133. Rubber or plastic gloves are recommended for hand and arm protection. Personal cleanup may be with soap and water.

If sprayed, wear an air-purifying respirator approved by NIOSH in accordance with OSHA 29 CFR 1910.134(d)(1)(ii). If used in a confined area, a full-face, powered air-purifying respirator (PAPR) or supplied-air respirator (SAR) is recommended. Use respirators in accordance with 29 CFR 1910.134(d)(3)(i)(A) Table 1, 29 CFR 1910.134(d)(3)(iii)(B) and 29 CFR 1910.134(d)(3)(iv)(B).

Use appropriate engineering controls, such as proper ventilation. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.

Table 3		
Code Compliance		
INTERNATIONAL BUILDING CODE® (IBC®)		
2018	2015	
Chapter 8 Interior Finish 803.1.2 Interior Wall and Ceiling Finish Materials ASTM E84 or UL 723 803.13 Interior Finish Requirements Based on Occupancy 806.7 Interior Trim 806.8 Interior Floor-wall Base	Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Material 803.11 Interior Finish Requirements Based on Group 806.7 Interior Trim 806.8 Interior Floor-wall Base	
2012	2009	
Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Material 803.9 Interior Finish Requirements Based on Group 806.5 Interior Trim 806.6 Interior Floor-wall Base	Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Material 803.9 Interior Finish Requirements Based on Group 806.5 Interior Trim 806.6 Interior Floor-wall Base	
INTERNATIONAL RESIDENTIAL CODE® (IRC®)		
2018	2015	
Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	
2012	2009	
Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	
NATIONAL FIRE PROTECTION ASSOCIATION® (NFPA®) 101		
2018	2015	2012
Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Class 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.6.1 Fire Retardant Coatings FSI/SD	Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Class 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.6.1 Fire Retardant Coatings FSI/SD	Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Class 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.6.1 Fire Retardant Coatings FSI/SD

Table 4		
Green Standards		
ANSI/ASHRAE/ICC/USGBC STANDARD 189.1		
2017	2014	
8. Indoor Environmental Quality (IEQ) 8.4.2.2 Paints and Coatings 8.4.2.2.1 Emissions Requirements 8.4.2.2.2 VOC Content Requirements: a and b 8.5.2 Materials 9. The Buildings Impact on the Atmosphere, Materials, and Resources 9.3.1.1 Diversion 9.3.1.2 Total Waste 9.3.1.3 Construction Waste Management Plan 9.4.1.1.2 Salvaged Material Content 9.4.1.2 Regional Materials	8. Indoor Environmental Quality (IEQ) 8.4.2.2 Paints and Coatings 8.4.2.2.1 Emissions Requirements 8.4.2.2.2 VOC Content Requirements: a and b 8.5.2 Materials 9. The Buildings Impact on the Atmosphere, Materials, and Resources 9.3.1.1 Diversion 9.3.1.2 Total Waste 9.3.1.3 Construction Waste Management Plan 9.4.1.1.2 Salvaged Material Content 9.4.1.2 Regional Materials	
CALIFORNIA AIR RESOURCES BOARD (ARB)		
2008		
8. Compliance and Test Methods 8.1 Calculation of VOC Content 8.2 VOC Content of Coatings 8.5.1 Flame Spread Index 8.5.9 VOC Content of Coatings Table 1, VOC Content Limits for Architectural Coatings: Flat Coatings		
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)		
2017	2010	
STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOC EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS V1.2 California Specification 01350	STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOC EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS V1.1 California Specification 01350	
COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS)		
2017	2016	
Core Criteria New Construction and Renovation Indoor Environmental Quality Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings Materials & Waste Management Prerequisite MW 1.0 Storage & Collection Recyclables MW 6.1 Single Attribute – Materials Reuse MW 9.1 Building Reuse - Interior	Core Criteria New Construction and Renovation Indoor Environmental Quality Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings Materials & Waste Management Prerequisite MW 1.0 Storage & Collection Recyclables MW 6.1 Single Attribute – Materials Reuse MW 9.1 Building Reuse - Interior	

Table 4 Continued	
GENERAL SERVICES ADMINISTRATION (GSA) PUBLIC BUILDING SERVICE (PBS) - P100	
2017	2016
<p>Chapter 3 Architecture and Interior Design 3.5.2 Interior Finishes and Materials 3.5.2.19 Interior Coatings 3.5.4 Fire Performance and Smoke Development Chapter 4 Prescriptive Structural Engineering 4.3.1 Innovative Materials and Methods Chapter 7 Fire Protection 7.1.3.3 Alternative Designs 7.5 Interior Finishes 7.15 Performance-Based Design</p>	<p>Chapter 3 Architecture and Interior Design 3.5.2 Interior Finishes and Materials 3.5.2.19 Interior Coatings 3.5.4 Fire Performance and Smoke Development Chapter 4 Structural Engineering 4.3.1 Innovative Materials and Methods Chapter 7 Fire Protection and Life Safety 7.3.1.3 Alternative Designs 7.5 Interior Finishes 7.15 Performance-Based Design</p>
ICC/ASHRAE 700 NATIONAL GREEN BUILDING STANDARD™ (NGBS)	
2015	2012
<p>Chapter 4 Site Design 403.9 Existing Buildings Chapter 6 Resource Efficiency 601.2 Material Usage – Option (2) 603.1 Reuse of Existing Building 603.2 Salvaged Materials 605.3 Recycled Construction Materials 609.1 Regional Materials Chapter 9 Indoor Environmental Quality 901.8 Wall Coverings 901.9 Interior Architectural Coatings 901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 901.9.3 904.1 Indoor Air Quality (IAQ) During Construction 904.2 Indoor Air Quality (IAQ) Post Construction Chapter 11 Remodeling 11.601.2 Material Usage – Option (2) 11.603.1 Reuse of Existing Building 11.605.3 On-site Recycling 11.605.4 Recycled Construction Materials 11.609.1 Regional Materials 11.901.8 Wall Coverings 11.901.9 Interior Architectural Coatings 11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3 11.901.9.4 Mandatory Requirement 11.904.1 Indoor Air Quality (IAQ) During Construction 11.904.2 Indoor Air Quality (IAQ) Post Construction Chapter 12 Remodeling of Functional Areas 12.1.601.2 Material Usage – Option (2) 12.1(A).603.2 Reused and Salvaged Materials 12.1(A).609.1 Regional Materials 12.1.901.8 Interior Wall Coverings 12.1.901.9 Architectural Coatings 12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2</p>	<p>Chapter 4 Site Design 403.9 Existing Buildings Chapter 6 Resource Efficiency 601.2 Material Usage – Option (2) 603.1 Reuse of Existing Building 603.2 Salvaged Materials 605.3 Recycled Construction Materials 609.1 Regional Materials Chapter 9 Indoor Environmental Quality 901.8 Wall Coverings 901.9 Interior Architectural Coatings 901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 901.9.3 Chapter 11 Remodeling 11.601.2 Material Usage – Option (2) 11.603.1 Reuse of Existing Building 11.605.3 On-site Recycling 11.605.4 Recycled Construction Materials 11.609.1 Regional Materials 11.901.8 Wall Coverings 11.901.9 Interior Architectural Coatings 11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3 11.901.9.4 Mandatory Requirement Chapter 12 Remodeling of Functional Areas 12.1.601.2 Material Usage – Option (2) 12.1(A).603.1 Reused and Salvaged Materials 12.1(A).609.1 Regional Materials 12.1.901.8 Interior Wall Coverings 12.1.901.9 Architectural Coatings 12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2</p>
INTERNATIONAL GREEN CONSTRUCTION CODE® (IgCC®)	
2018	2015
<p>8. Indoor Environmental Quality (IEQ) 8.4.2.2 Paints and Coatings 8.4.2.2.1 Emissions Requirements 8.4.2.2.2 VOC Content Requirements: a and b 8.5.2 Materials 9. The Buildings Impact on the Atmosphere, Materials, and Resources 9.3.1.1 Diversion 9.3.1.2 Total Waste 9.3.1.3 Construction Waste Management Plan 9.4.1.1.2 Salvaged Material Content 9.4.1.2 Regional Materials</p>	<p>Chapter 5 Material Resource Conservation and Efficiency 503.1 Construction Material and Waste Management Plan 505.2.3 Recyclable Building Materials and Building Components Chapter 8 Indoor Environmental Quality and Comfort 806.3 Architectural Paints and Coatings/Table 806.3(1) or 806.3(2)</p>
U.S. GREEN BUILDING COUNCIL® LEED®	
v4 2018	v3 2009
<p>BUILDING DESIGN (BD) AND CONSTRUCTION (C) Materials and Resources (MR) MR Prerequisite: Storage and Collection of Recyclables MR Credit: Building Life-Cycle Impact Reduction: Option 1, Option 2 or Option 3 MR Credit: Building Product Disclosure and Optimization- Material Ingredients: Option 2 International Alternative Compliance Path- Reach Optimization</p>	<p>NEW CONSTRUCTION AND MAJOR RENNOVATIONS Materials and Resources (MR) MR Credit 1.1 Building Reuse- Maintain Existing Walls, Floors & Roofs MR Credit 1.2 Building Reuse- Maintain Interior Nonstructural Elements MR Credit 2 Construction Waste Management MR Credit 3 Materials Reuse</p>

Table 4 Continued	
U.S. GREEN BUILDING COUNCIL® LEED® Continued	
v4 2018	v3 2009
<p>MR Credit: Construction and Demolition Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Materials: Option 1</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p> <p>HOMES DESIGN (HD) and CONSTRUCTION (C)</p> <p>Materials and Resources (MR)</p> <p>MR Credit: Construction Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Products</p> <p>INTERIOR DESIGN (ID) and CONSTRUCTION (C)</p> <p>Materials and Resources (MR)</p> <p>MR Prerequisite: Storage and Collection of Recyclables</p> <p>MR Credit: Building Product Disclosure and Optimization- Material Ingredients:</p> <p>Option 2 International Alternative Compliance Path- Reach Optimization</p> <p>MR Credit: Construction and Demolition of Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Materials: Option 1</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p>	<p>MR Credit 5 Regional Materials</p> <p>Indoor Environmental Quality (IEQ)</p> <p>IEQ Credit 4.2 Low Emitting Materials- Paints & Coatings</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p>
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1113	
2016	2013
<p>Table of Standards 1, VOC Limits</p> <p>Flats</p> <p>(e) Test Methods</p> <p>(e)(1)(A) U.S. EPA Reference Test Method 24</p>	<p>Table of Standards 1, VOC Limits</p> <p>Flats</p> <p>(e) Test Methods</p> <p>(e)(1)(A) U.S. EPA Reference Test Method 24</p>

No-Burn, Inc.
SALES INFORMATION AND ORDER PLACEMENT
1-800-989-8577
TECHNICAL INFORMATION
1-800-989-8577
www.noburn.com

TRADEMARKS No-Burn, No-Burn logo and Fire Wise are trademarks owned by or licensed to No-Burn®, Inc.
LIMITED WARRANTY No-Burn®, Inc. 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. Warranty coverage is limited solely to the cost of product purchased hereunder and specifically excludes incidental expenses and consequential damages. The applicator warrants that the product, in its original form from the manufacturer, will be stored, mixed and/or applied as directed in the guidelines published by No-Burn®, Inc., to every reasonably accessible area that has been specified for protection. On occasion, No-Burn® Original may be applied to substrates that need protected from the environment in transit or on a jobsite. The Warranty may be void if the No-Burn® Original coated substrates, while in transit or during construction, are not protected from prolonged exposure to adverse weather conditions as specified by manufacturer recommendations. All implied warranties, from No-Burn®, Inc. or the applicator are excluded. There may be situations and materials for which No-Burn® will not prevent a fire from igniting or retard the progress of a fire.

POLICY & PROCEDURES All sales of this product by No-Burn, Inc. are subjected to our Policy & Procedures available at <http://noburn.com/policies-procedures>

UPDATES AND CURRENT INFORMATION Revised 18-Feb-2019. The information in this document may change without notice.

FABRICANTE

No-Burn, Inc.
1392 High Street, Suite 211
Wadsworth, Ohio 44281
www.noburn.com

DESCRIPCIÓN

No-Burn® Original es un revestimiento ignífugo transparente a base de agua que, cuando se expone a altas temperaturas y a llamas, reduce la propagación de llamas y humo. Este material está certificado para aplicarse en una gran variedad de *Sustratos* y la conformidad con la reacción al fuego se logra cuando el espesor de la película húmeda es adecuado.

1. PRINCIPALES USOS

Original se puede usar en edificios nuevos y existentes, de conformidad con las normas IBC® y otros códigos o normas aplicables, y se utiliza en aplicaciones donde se ofrece:

- Características de quemado superficial
- Clasificación de acabado interior de Clase I o Clase A: FS 5-6 / SD 5-122

Consultar el [Informe de Evaluación \(ER 305\)](#) para obtener más información.

2. ESPECIFICACIONES

Color:	Transparente/Tintado
Acabado:	Plano
Contenido de químicos orgánicos volátiles:	0 g/l método EPA 24
Tiempo de secado:	De 60 a 90 minutos
Cubetas:	5 galones (19 l), 55 lbs
Tambores:	55 galones (208 l), 605 lbs
Vida útil:	24 meses
Tiempo de curado:	24 horas
Punto de ebullición:	212 °F (97.7 °C)
Punto de congelamiento:	32 °F (0 °C)
% volátil por volumen:	68%
Gravedad específica:	1.17

Consultar la [ficha de datos de seguridad \(M\)SDS](#) del producto para obtener información adicional.

3. RENDIMIENTO DEL PRODUCTO

No-Burn® Original se puede utilizar en los *usos primarios* expresados. No-Burn® Original limita la propagación de llamas y humo, y proporciona protección contra incendios de clase A o clase 1.

No-Burn® Original, que ofrece la mejor clasificación en acabados interiores que requiere el código, es un revestimiento ignífugo transparente para *Sustrato(s)* de madera expuesta y carpintería de acabado.

4. NORMAS APLICABLES

No-Burn® Original puede ser especificado en el cumplimiento de los siguientes:

Normas ANSI/ASHRAE/USGBC/IES 189.1	GSA PBS-P100
ASTM E84	ICC/ASHRAE 700 NGBS
CAN/ULC-S102	IgCC
CARB	LEED v3 2009
CDPH (CA Spec 01350)	LEED v4
CHPS	NFPA 255
CSFM Flame Retardant: C-24301	SCAQMD Regla 1113

Tabla 1

Material	Sustratos		
	Grosor de Película	Índice de propagación	Contenido máx. de humedad
Douglas Fir	5 húmedo	300 sq. ft./gal. 75 sq. ft./quart	19%
Tablones de virutas orientadas (OSB)	5 húmedo	300 sq. ft./gal. 75 sq. ft./quart	16%

5. MEZCLADO y APLICACIÓN DE TINTAS

Original debe estar bien mezclada antes de su uso de conformidad con las recomendaciones del fabricante. No-Burn® Original ÚNICAMENTE se debe agitar en su presentación de botella de cuarto de galón (950 ml); de lo contrario, se debe mezclar con un mezclador helicoidal eléctrico para 5 galones marca Squirrel™ o un aparato similar, entre 500 y 900 RPM a un tiempo de mezclado mínimo de 10 minutos por cubeta. NO es suficiente agitar el No-Burn® Original con un agitador de pinturas. No se recomienda filtrar o colar el Original. Utilizar el producto como es: **NO DILUIR**. Si se mezcla No-Burn® Original más de 24 horas antes de usarlo, mezclarlo nuevamente de conformidad con las instrucciones del fabricante. Nunca permitir que Original se congele a 32°F (0°C), almacenar entre 40 °F y 90 °F (4.4 °C y 32.2 °C) y mantener fuera de la luz directa del sol; si no puede comprobar que se han mantenido estas condiciones, el producto puede eliminarse de conformidad con la (M)SDS del fabricante. Si se desea agregar color al Original, puede hacerlo a una relación máxima de 1 oz. de tinte por galón. Es recomendable utilizar No-Burn® Green Dye, fabricado por No-Burn, Inc. para teñir. Póngase en contacto con el fabricante para obtener información adicional acerca del teñido.

Para reciclar las cubetas, visite <http://www.wbdg.org/tools/cwm.php>.

6. APLICACIÓN

Al aplicar No-Burn® Original, el recubrimiento debe aplicarse al *Sustrato(s)*, según corresponda, de acuerdo con el Informe de evaluación (ER) 305 y / o la hoja de datos técnicos / instrucciones del fabricante. Copias de datos técnicos relevantes y / o documentos estarán disponibles en el lugar de trabajo. Antes y durante la aplicación del recubrimiento, las superficies del *Sustrato(s)* deberán estar secas, limpias y libres de suciedad, polvo, aceite, grasa, y todo material de recubrimiento anterior, como son pinturas, tintes y selladores. El *Sustrato(s)* no debe tener, ni haber sido expuesto a, tratamientos, sustancias químicas, recubrimientos, etc. antes de la aplicación de Original. Puede ser necesario lijar el *Sustrato(s)*. Básicamente, el *Sustrato(s)* a revestir debe ser poroso y debe estar debidamente preparado para recibir el No-Burn® Original. Cuando un funcionario encargado del código necesita hacer una verificación de la capa transparente, las pruebas de campo se deben realizar de la siguiente manera: se debe aplicar la llama de un soplete de propano en la superficie revestida y en una muestra del *Sustrato* sin revestir durante un mínimo de 10 segundos. La presencia de la capa debe ser visible mediante la comparación de las reacciones a la llama de los *Sustratos* con revestimiento y sin él. El espesor del producto seco será de 0.40 a 0.70 veces el espesor húmedo. Original se aplicará en los *Sustrato(s)* e inmediatamente antes de colocar el recubrimiento ignífugo, el aplicador deberá verificar el contenido de humedad del *Sustrato(s)* con un medidor de humedad, según corresponda, de conformidad con las recomendaciones del fabricante. Los *Sustrato(s)* deberán estar en la posición final en el edificio, expuestos directamente al interior, protegidos de la intemperie, en lugares acondicionados y no

acondicionados. Además, Original se aplicará en las zonas dentro de la membrana impermeabilizante o superficies no expuestas a la intemperie, donde se espera que el contenido de humedad en servicio del *Sustrato(s)* sea igual o inferior al recomendado. La temperatura de la superficie y la ambiental antes y durante la aplicación será de al menos 40 °F (4.4 °C). Las temperaturas de superficie no deben exceder de 100 °F (37.7 °C) durante la aplicación. El recubrimiento se aplicará en una tasa de aplicación establecida mediante atomización o pincel. El tiempo de secado es típicamente de 60 a 90 minutos y el tiempo de curado es de 24 horas como mínimo, aunque depende de la temperatura ambiente y la humedad relativa. Si es necesario aplicar más de una capa o antes de la adición de una capa superior, deje secar el No-Burn® Original completamente entre capas. La capa superior debe ser a base de agua con un pH de 7 u 8. Antes de usar alguna capa superior, se recomienda hacer una prueba de compatibilidad en un lugar poco visible antes de su aplicación general. Hay compatibilidad cuando la condición general es satisfactoria después de aplicar el No-Burn® Original y la capa superior. Para aplicaciones exteriores, No-Burn® Original tiene que ser recubierto con un sellador para exteriores a base de agua de alta calidad, resistente a los rayos ultravioleta. El fabricante puede recomendar recubrimientos exteriores. Cuando se aplica una capa superior en aplicaciones exteriores, preste especial atención a las instrucciones y recomendaciones sobre la capa superior. Antes de aplicar de nuevo una capa superior, es posible que deba aplicar de nuevo el No-Burn® Original.

Excepto durante las demoras normales de una construcción, es necesario proteger los *sustratos* recubiertos con No-Burn® Original de la exposición prolongada a condiciones meteorológicas adversas. Utilizar hojas o lonas de plástico para proteger el *sustrato* de la exposición prolongada al clima durante el tránsito, almacenamiento o construcción. Seguir las instrucciones del fabricante y el Formulario E30 de la Guía de construcción para maderas contrachapadas de la APA en cuanto a recomendaciones para el almacenamiento y la manipulación.

Almacenar los *sustratos* recubiertos con No-Burn® Original en un lugar limpio y seco, lejos del suelo. Se recomienda almacenar los *sustratos* recubiertos con No-Burn® Original en el interior; si se almacena en el exterior, cubrir los *sustratos* con hojas o lonas de plástico, y no cubrir la parte lateral e inferior del *sustrato* para permitir la circulación de aire. Cuando se transportan los *sustratos* recubiertos con No-Burn® Original sobre una plataforma de camión o vagón de tren abiertos, cubrir el *sustrato* con una lona para evitar la exposición prolongada al clima.

7. EQUIPO

Los métodos de aplicación pueden incluir atomizadores sin aire (airless), atomizadores de aire comprimido, atomizadores de pistola o brocha. Los fabricantes de *Equipos* y los modelos de *Equipo* atomizador de aplicador sin aire (airless) varían y a continuación presentamos ejemplos de *Equipos* aplicables. Las recomendaciones de los *Equipos* atomizadores de aplicador sin aire (airless) contienen enlaces a las especificaciones del fabricante para referencia.

Tabla 2		
Equipo		
Fabricante	Modelo	
Graco®	Ultra 395	Ultra 395 PC
	Ultra Max II 795*	Ultra Max II 1595*
	Ultra Max II 1095*	TexSpray Mark V*
Titan®	Impact™ 440	Impact™ 540
	Impact™ 840*	PowrTwin™ 6900 Plus*
	Impact™ 1140*	PowrTwin™ 8900 Plus*

*Lo mismo aplica para los revestimientos intumescentes No-Burn® Intumescent Coatings

El *Equipo* atomizador debe ser capaz de producir un mínimo de 1,200 psi y se recomienda usar boquillas con orificio de tamaño 0.012 a 0.017. Probablemente se requieran variaciones en el ancho del patrón de atomizado y el tamaño de la boquilla según el área expuesta y el *Sustrato(s)* donde se aplica el producto. La limpieza de los *Equipos* se puede llevar a cabo con agua, u otros métodos recomendados por el fabricante del *Equipo*.

8. PROTECCIÓN PERSONAL Y CONTROLES DE EXPOSICIÓN

Para proyectos más grandes, se recomienda usar un respirador certificado y gafas de seguridad para evitar el rociado y salpicaduras. La protección para los ojos y la cara debe estar en conformidad con la norma OSHA 29 CFR 1910,133. Se recomienda usar guantes de goma o plástico para la protección de manos y brazos. La limpieza personal se puede llevar a cabo con agua y jabón. Si se aplica con atomizador, utilizar un respirador con purificador de aire aprobado por NIOSH de conformidad con la norma OSHA 29 CFR 1910,134 (d)(1)(ii). Si se utiliza en un área limitada, se recomienda utilizar un respirador con purificador de aire de cara completa (PAPR) o un respirador con suministro de aire (SAR). Utilizar los respiradores de conformidad con las normas 29 CFR 1910,134 (d)(3)(i) (A) Cuadro 1, 29 CFR 1910.134(d)(3)(iii)(B) y 29 CFR 1910.134(d)(3)(iv)(B). Utilizar controles de ingeniería adecuados, como una ventilación adecuada. Cuando estos sistemas no son eficaces, se debe usar equipo de protección personal adecuado, que funcione de manera satisfactoria y cumpla con la norma OSHA u otras normas reconocidas.

No-Burn, Inc.
INFORMACIÓN DE VENTAS Y PEDIDOS
1-800-989-8577
INFORMACIÓN TÉCNICA
1-800-989-8577
www.noburn.com

MARCAS COMERCIALES No-Burn, el logotipo de No-Burn y Fire Wise son marcas comerciales propiedad de No-Burn®, Inc. o con licencia de No-Burn®, Inc.

GARANTÍA LIMITADA No-Burn®, Inc. garantiza que la fórmula No-Burn® se fabricará con las mismas especificaciones y calidad, y se comportará de forma similar a las pruebas realizadas por los laboratorios independientes cuando se aplica correctamente. La cobertura de la garantía se limita únicamente al costo del producto adquirido a continuación y excluye específicamente los gastos imprevistos y los daños consecuentes. El aplicador garantiza que el producto, en su forma original del fabricante, se almacenará, mezclará y / o aplicará como se indica en las pautas publicadas por No-Burn®, Inc., a cada área razonablemente accesible que se haya especificado para protección. En ocasiones, No-Burn® Original se puede aplicar a sustratos que necesitan protección del medio ambiente en tránsito o en el lugar de trabajo. La garantía puede ser nula si los sustratos recubiertos con el original No-Burn®, mientras están en tránsito o durante la construcción, no están protegidos contra la exposición prolongada a condiciones climáticas adversas según lo especificado por las recomendaciones del fabricante. Se excluyen todas las garantías implícitas de No-Burn®, Inc. o del aplicador. Puede haber situaciones y materiales para los cuales No-Burn® no evitará que un incendio encienda o retarde el progreso de un incendio.

POLÍTICA Y PROCEDIMIENTOS Toda venta de este producto por parte de No-Burn, Inc. está sujeta a nuestra política y procedimientos disponibles en <http://noburn.com/polices-procedures>

NOTICIAS E INFORMACIÓN ACTUAL Revisado 18-Feb-2019. La información contenida en este documento puede cambiar sin previo aviso.

© 2019 No-Burn, Inc.