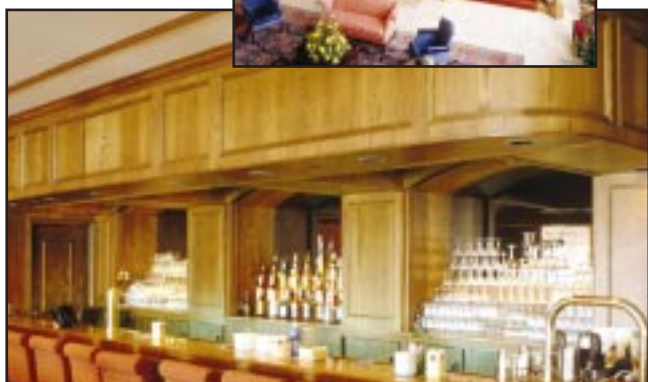


INTUCLEAR

Decorative translucent intumescent varnish
for wood, wood veneered panels to provide
Class 1 and Class 0* to BS476 Parts 6 & 7



One of a comprehensive range of Decorative Fire Protection Coatings which enables the designer to maintain the overall decorative theme yet satisfying today's building regulations for fire protection.

Intuclear is a translucent Flame Retardant Intumescent Varnish for natural wood and wood veneered surfaces. It provides a finish which both protects and highlights the natural beauty of the wood.

Intuclear is used extensively to upgrade existing wood and wood panelling to provide Class 1 and Class 0* Fire Protection whilst preserving the natural character of the wood.



■ Previously Varnished Surfaces

Intuclear's unique formulation enables it to be used on previously varnished surfaces with minimal preparation. Please consult our technical department before application.

■ Areas of High Humidity

With the addition of two coats of a gloss overcoat, Intuclear may be applied to timber in areas where the humidity levels exceed 75%. It is not suitable for use in kitchen or bathroom environments since the combination of heat and moisture may cause premature breakdown of the coating.

■ External Woodwork

Intuclear is not suitable for outdoor use. Please consult our technical department before application.

■ Stained Timber

We recommend Bollom's Colourfast 143 range of stains (Brush Grade) or other acid - fast, penetrating wood stains and dyes. Dark stain may appear cloudy when overcoated with Intuclear. Carry out a test area before proceeding.

■ Intumescent Fire Protection

In a fire, Intumescent softens and expands to form a carbon layer which insulates and protects the substrate from the effects of fire.

■ Choice of Finishes

Intuclear dries to a natural semi-matt finish, and separate gloss or eggshell overcoats are available.

***CHECK WITH OUR TECHNICAL SUPPORT DEPARTMENT**

HOW TO APPLY INTUCLEAR'S THIN FILM INTUMESCENT PROTECTION

Surface Preparation

Ensure that all surfaces are clean and free from surface moisture and contaminants, such as oil, grease and wax. The moisture content of timber before coating with Intuclear should be below 18% and ideally between 10-12 %. If the surface has been previously varnished or stained, please consult us for technical advice. Intuclear should only be applied when relative humidity is below 75% and the air temperature is 5°C and above.

Method of Application

Applied in three coats at 9m²/litre/coat by brush or conventional spray.

Spray Application

We recommend a JGA gun, 35 air cap and ex 1.8 needle with a 7CFM Compressor or an HVLP turbine.

Thin each coat with up to 10% Intuclear thinners including Intuclear overcoat if required. All spray equipment should be cleaned immediately after use with Intuclear thinners (T34). For technical advice and spray unit hire/sales contact Bollom's Spray Division on (020) 8658 2299.

Brush Application

When brushing, lay off the second and third coats, maintaining a wet edge, do not brush out. Lightly sand between coats. When applying the final coat it may be necessary to thin 10:1 with Intuclear Thinners (T34). If using Intuclear overcoat, thin 10:1 with Intuclear Thinners (T34).

HOW TO SPECIFY INTUCLEAR INTUMESCENT VARNISH

For Class 1 to Timber Surfaces / Class 0* Fire Protection to Veneered Plywood

Apply Intuclear to a total loading of 3m²/1litre normally obtained in three brush or spray coats. If a gloss or eggshell finish is required, apply minimum of one coat of Intuclear Overcoat at 12m²/litre. For areas of high humidity, apply 2 coats of Intuclear gloss overcoat at 12m²/litre/coat.

HEALTH & SAFETY

Normal safety procedures for the application of solvent - based paints should be carried out (Refer to Health and Safety Data Sheet).

FIRE PROTECTION BY INTUMESCENT

Intuclear varnish system provides fire protection by Intumescence. In a fire, the coating softens and expands to form a carbon layer which insulates the structure from intense heat.

Technical Data Description	Intuclear Intumescent Varnish Solvent Based, Intumescent Varnish which, in a fire, softens and expands to insulate the substrate from intense heat.
Finish	Semi-matt
Flash Point	Above 32°C
Density	1.00
Container Size	5 litre
Shelf Life	At least 12 months unopened
Drying Times	30 minutes, re-coat after 12 hours

Pre-treatment of timber with preservatives

Most proprietary brands of preservative are normally suitable, but a test area should be carried out first.

Areas of Physical Wear

Intuclear is not recommended for use on doors, hand rails, stair tread, floors or surfaces where significant physical wear is likely.

Fire Test Data

Intuclear has been extensively tested by Independent Labs to Class 1 & 0 rating to BS476 Parts 6 & 7.

Material	Classification	Test Report
Veneered Plywood 9mm	Class 1	C72066/1
Veneered Plywood 9mm	Class 0	C72066/3
Veneered Chipboard 19mm	Class 1	C72066/2
T&G Softwood 19mm	Class 1	C72538/1
Mahogany 23mm	Class 1	C72538/1
Plywood 9mm	Class 1	C71939/1

Previously Varnished

Plywood 12mm	Class 1	C74407/1
Plywood 8mm	Class 1	C74407/1

Fire Test Reports are available for inspections upon request



P.O. Box 78 • Croydon Road • Beckenham • Kent BR3 4BL

Technical Enquiries: (020) 8658 2299 • Facsimile (020) 8658 8672

Sales Line: 0845 601 2905 • Sales Fax: 0800 0854 663

E-mail: sales@bollom.com • Website: www.bollomfireprotection.co.uk