

WOOD FINISHES DIRECT

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For purchasing information visit:
Bollom Intulac Ultra Intumescent Clear Basecoat

Bollom FIRE PROTECTION

Technical Data Sheet

INTULAC ULTRA
INTUMESCENT BASE COAT

BM0670004: Intulac Ultra Base Coat - TDS - December 2025

1. Product Description

Bollom Intulac™ Ultra varnish is a high-performance fire protection coating system for wood for interior use. The system comprises a clear Intumescent Base Coat - designed to form a protective carbon char in the event of fire, delaying the inflammation of the wood - and a clear Protective Top Coat (available in Matt and Satin finishes).

Intulac™ Ultra is applied to deliver BS EN 13501-1:2018 Class B-s1, d0.

2. Application Areas

Reduction of ignitability of soft and hard wood and other wood derivatives, i.e. plywood, chipboard, fibre insulation board, hard board, also on veneering ≥ 9mm thickness. For interior use only. Not suitable for surfaces exposed to mechanical stress, such as floors, doors, stairs etc.

3. Preparation

Surface must be dry, free from dust, oil, wax, grease, release agents, etc. Wood substrates with wetting difficulties should be roughened thoroughly with abrasive paper. The moisture content of the timber should be below 15%. For particularly resinous or knotty timber apply 1 coat of Zinsser Sealcoat. Application over a maximum of four, well adhered, single coats of existing varnish is possible, sand lightly before applying Intulac Ultra Base Coat. Scrape of any old or flaking varnish back to a firm well adhered surface, if in doubt remove all exisitng varnish back to bare wood.

4. Site Conditions

Object temperature should not be below 10°C or exceed 40°C. Relative humidity should not exceed 70%. Application temperature shall be at least ≥ 3 K above dew point. In cases where relative humidity may exceed 70%, special measures must be taken to prevent condensation forming during application of the product.

5. Application

Airless spraying: Stir thoroughly prior to application. Material shall be applied undiluted. Airless spray equipment with transmission ≥ 30:1. Hose diameter not below 3/8". Recommended nozzle size 0.28-0.38 mm or 0.011-0.015". Solvent resistant hoses must be used. Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage of 5m²/L per coat for bare timber substrates and 4m²/L per coat for previously varnished timber. In order to obtain a very smooth finish by cutting down wood fibres, light sanding after the first coat is recommended (e.g. with 150 grade paper).

Brushing / Rolling: Stir thoroughly prior to application. Material shall be applied undiluted. Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage rate of 5m²/L per coat for bare timber and 4m²/L per coat for previously varnished timber.

6. Consumption / Coverage

The Intulac™ Ultra system requires the application of both the Intumescent Base Coat and Protective Top Coat as follows:

BS EN 13501-1:2018 Class B-s1, d0 (3 coat system) – bare timber	
Intulac™ Ultra Intumescent Base Coat	Apply 2 coats @ 5m²/L each coat
Intulac™ Ultra Protective Top Coat	Apply 1 coat @ 20m²/L

BS EN 13501-1:2018 Class B-s1, d0 (3 coat system) – previously varnished	
Intulac™ Ultra Intumescent Base Coat	Apply 2 coats @ 4m²/L each coat
Intulac™ Ultra Protective Top Coat	Apply 1 coat @ 20m²/L

7. Drying Time

Touch dry 2hrs, hard dry 24 hrs at 20°C and 60% relative humidity. Allow a minimum of 16 hours between coats of basecoat & 48 hours before applying Topcoat. Lower temperatures and higher relative humidity may extend drying time. Do not stack timber components treated with the Bollom Intulac Ultra System. Bollom Intulac™ Intumescent Base Coat must be overcoated with Bollom Intulac™ Ultra Top Coat (Matt or Satin finish) after approximately 48 hours and not more than 4 days.

8. Clean Up

Clean immediately after use with warm water. Do not flush paint down the drain, including when cleaning painting tools.

9. Product Specification

VOC: EU limit value for this product (Cat A/i): 140 g/l. This product contains max 140 g/l VOC.
Pack Sizes: 5L
Shelf Life: 18 months when stored in unopened containers in cool, dry, frost free conditions.

10. Health and Safety

Please refer to material safety data sheets for health and safety information.
These are available to view and download at www.bollomfire.co.uk.

DISCLAIMER: The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. It is our recommendation that a trial area is first coated to ensure the product is satisfactory to individual requirements. Intulac Ultra Base Coat is for internal applications only and must be used as part of a system with the Intulac Ultra Top Coat.

11. How do I get Fire Certification?

It's simple, just keep proof of purchase, batch numbers of the products used along with site details and visit our website to input the required information.

You will then be sent the relevant Certificate of Supply within 5 working days.

The Bollom Intulac™ Ultra range has been made with the professional painter and decorator in mind. All products are easy to apply and have been fire tested to BS EN 13501-1:2018 Class B-s1, d0.

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