

Technical Data Sheet

Intulac™ Ultra Intumescent Base Coat Technical Data

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 Class 0 fire performance.

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 ≥ 12 mm thickness. Insulates against heat, checks fire, prevents propagation of fire and diminishes flue-gas density and flue-gas temperature. **For interior use only. Not suitable for surfaces exposed to mechanical stress.**

Preparation - Surface must be dry, free from dust, oil, wax, grease, release agents. Application over a maximum of four, well adhered, single coats of existing varnish is possible, sand lightly before applying Intulac Ultra Base Coat. Greasy resinous surfaces: wash down with solvents then wash with clear water. After drying sand lightly. Wood substrates with wetting difficulties should be roughened thoroughly with abrasive paper. For porous or bare timber apply 1 coat of Zinsser Sealcoat.

Coating Preparation - Stir thoroughly until the coating is free of lumps. According to required working viscosity, preheating of base coat up to max. 70°C, e.g. in waterbath, heat cabinet or hot spraying apparatus is possible (in such circumstances the lid should be loosened first).

Site Conditions - Object temperature should not be below 10°C or exceed 50°C. Relative humidity should not exceed 80%. Application temperature shall be at least ≥ 3 K above dew point. In cases where relative humidity may exceed 80%, special measures must be taken to prevent condensation forming during application of the product.

Drying Time

Allow 8 hours between coats at approximately 20°C and 65% relative humidity and not more than 18 hours. Lower temperatures and higher relative humidity may extend drying time. ***Bollom Intulac™ Intumescent Base Coat must be overcoated with Bollom Intulac™ Ultra Top Coat (Matt or Satin finish) after approximately 8 hours and not more than 18 hours.***

Application Methods

Airless spraying:

- Material shall be applied undiluted.
- Airless spray equipment with transmission $\geq 23:1$.
- Hose diameter not below 3/6".
- Recommended nozzle size 0.28-0.53 mm or 0.011-0.021".
- Hoses must be used only for water based coatings.

The rough film resulting from spray application should be smoothed by brush after spraying. Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage of 5m²/ltr. per coat for Class 0. 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:

- Material shall be applied undiluted.
- Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage of 5 m²/ltr. per coat for Class 0.

Consumption / Coverage - The Intulac™ Ultra system requires the application of **both** the Intumescent Base Coat and Protective Top Coat as follows;

**Intulac™ Ultra
Intumescent Base Coat
Intulac™ Ultra
Protective Top Coat**

**Class 0
(3 coat system)
Intulac™ Ultra
Intumescent Base Coat
Intulac™ Ultra
Protective Top Coat**

A 5 Litre can of Intulac™ Ultra Intumescent Base Coat will cover 12.5m² for Class 0.

Cleaning Of Equipment

Clean immediately after use with warm water.

Health & Safety

Keep out of the reach of children. Use personal protection equipment as required. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a closed container.

VOC Information

EU limit value for this product (cat A/i): 140 g/l. This product contains max 140 g/l VOC.

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 contact our Customer Services Department on 0191 410 6611 with the information and they will send you 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 and all products are easy to apply and have been fire tested to BS 476 Parts 6, 7.