

# Technical Data Sheet

## Intulac™ Ultra Protective Top 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 and 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  $\geq 12$  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 to be painted must be primed with Bollom Intulac™ Ultra Intumescent Base Coat and dry, free from dust, oil, wax, grease and release agents. Application over a maximum of four single, well adhered, coats of existing varnish is possible, sand lightly before applying Intulac Ultra Base Coat. For porous or bare timber apply 1 coat of Zinsser Sealcoat.

**Coating Preparation** - Stir thoroughly prior to application.

**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  $\geq 3$  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** - In temperatures in the region of 20°C with 65% relative humidity the product will be touch dry in approx. 1.5 hours and fully cured after approx. 6 days.

### 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.

Conventional spraying:

- air pressure 3-5 bar.

Brushing / Rolling:

- Material shall be applied undiluted in supply viscosity.

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

	<b>Class 0</b>
	<b>(3 Coat System)</b>
<b>Intulac™ Ultra Intumescent Base Coat</b>	Apply 2 coats @ 5m <sup>2</sup> /LTR each coat
<b>Intulac™ Ultra Protective Top Coat</b>	Apply 1 coat @ 12.5m <sup>2</sup> /LTR

**A 1 Litre can of Intulac™ Ultra Protective Top Coat Matt or Satin will cover 12.5 m<sup>2</sup>.**

**Cleaning Of Equipment** - Clean equipment immediately after use with white spirits.

## Health & Safety



Flammable liquid and vapour. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. Keep out of the reach of children. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/ face protection. Dispose of contents/container to recognised waste collection point. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. IF ON SKIN: (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Repeated exposure may cause skin dryness or cracking.

### **VOC Information**

EU limit value for this product (cat A/i): 500 g/l. This product contains max 500 g/l VOC.