

# INTULAC

A thin film intumescent varnish for timber  
to provide Class 1 and Class 0 ratings to  
BS 476 Parts 6 and 7



Intulac Intumescent Varnish is a two product system, consisting of a thin film intumescent basecoat and a single pack clear top coat, which seals and improves the decorative effect. Available in gloss, eggshell and matt finishes.

## TECHNICAL DATA FOR INTULAC INTUMESCENT BASECOAT VARNISH

### Intulac Intumescent Basecoat Varnish

A thin film intumescent varnish for timber to provide Class 1 and 0 rating to BS 476 parts 6 & 7.

**Method of application:** Brush, roller or hot spray

**Drying Time:** (TOUCH) 1½ hours (will vary with ambient temperature, humidity and ventilation)

**Recoat:** 16 hours (dependent on site conditions)

**Flashpoint:** None

**Pack Size:** 5 litres only

**Shelf Life:** 6 months unopened containers (protect from frost)

**Finish:** Matt

**Thinners and Equipment Cleaner:** Water

### Surface Preparation

Surfaces must be clean, dry and free from oil, grease, wax and other contaminants. Existing coatings should be removed. For highly absorbent and non porous surfaces, consult our technical department. Greasy or resinous surfaces should be washed down with Bollom Degreasing/Dewaxing Solution.

Alternatively they can be washed thoroughly with an aqueous solution containing 5% neutral soap and 5% ammonium hydroxide solution, then washed down with clean water. After drying, sand lightly and continue as for absorbent surfaces.

### Method of Application

**Class 1:** Apply two coats Intulac Intumescent Base Coat Varnish at 8 square metres per litre per coat. Overcoat with Intulac Top Coat Varnish.

**Class 0:** Apply two coats Intulac Intumescent Base Coat Varnish at 4 square metres per litre per coat. Overcoat with Intulac Top Coat Varnish.

## APPLICATION NOTES FOR INTULAC INTUMESCENT BASE COAT

**Brush and Roller:** Apply an even coat taking care to avoid runs and sags using a good quality brush or roller.

**Conventional Spray:** Material should be heated to a maximum of 70°C in a water bath or heating cabinet. Ensure that the lid is loosened first. Needle and nozzle to be made with V2A steel. Nozzle size 1.5mm (0.059"). Container pressure 1-2 bar (14-29psi). Viscosity to be adjusted by heating to 20 seconds ISO 4 flow cup.

Notes: Intulac is designed for internal use only. Do not apply when relative humidity exceeds 70% and condensation is likely. Drying will be retarded below 10°C and application should be stopped until temperature rises.

Further Notes:

Intumescent coatings are damaged by water vapour (high humidity) and require protection. If light surface bloom or minor surface damage occurs, Intulac overcoated with Intulac Top Coat Varnish can be wiped down with a damp cloth and then dried immediately. Badly soiled surfaces have to be refinished by wiping over with a cloth wetted in Thinners 1000 to remove stubborn marks, then overcoated with Intulac Top Coat Varnish. In the event that major blooming or crazing of the basecoat occurs the whole system should be removed by using No.23 Degreasing/Dewaxing Solution and abrasive pads. The full Intulac system should then be re-applied.

### TECHNICAL DATA FOR INTULAC TOP COAT VARNISH

#### Intulac Top Coat Varnish

A single pack clear top coat designed as a sealer coat for Intulac Intumescent Basecoat Varnish.

**Method of application:** Brush or Conventional Spray

**Coverage:** 12m<sup>2</sup>/litre

**Drying Time:** (TOUCH) 1½ hours (will vary with ambient temperature, humidity and ventilation)

**Recoat:** 12 hours (dependent on site conditions)

**Flashpoint:** Above 32°C

**Pack Size:** 5 litres only

**Shelf Life:** 12 months unopened containers

**Finish:** Gloss, Eggshell and Matt

**Thinners and Equipment Cleaner:** T34 Thinner

#### Specification:

Surface preparation: The product is designed for use over Intulac Intumescent Base Coat Varnish. The surface must be dry and sound, free from breakdown and contaminants.

#### Application Notes:

**Brush:** Apply an even coat taking care to avoid runs and sags maintaining a wet edge. Do not brush out. Thin 10:1 with T34 Thinners, If required.

**Conventional Spray:** We recommend a JGA gun, 35 air cap and ex 1.8 needle with 7CFM Compressor or an HVL.P. Thin with up to 10% T34 Thinner, If required.

**NOTES:** Do not apply when relative humidity exceeds 70% and condensation is likely. Drying will be retarded below 5°C and application should be stopped until temperature rises.

### FIRE TEST DATA

SUBSTRATE	CERTIFICATE NUMBER	CLASS	TEST
9mm Veneered Plywood	TE92742	1	BS476 part 7
20mm Softwood	TE92740	1	BS476 part 7
20mm Veneered MDF	TE92744	1	BS476 part 7
20mm Hardwood	TE93223	1	BS476 part 7
9mm Veneered Plywood	TE92741	0	BS476 part 6
20mm Softwood	TE92739	0	BS476 part 6
20mm Veneered MDF	TE92743	0	BS476 part 6
20mm Hardwood	TE92737	0	BS476 part 6

Fire Test Reports are available for inspection upon request



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