

## APPLICATION

### Surface Preparation

All surfaces to be coated must be clean, dry (moisture content not exceeding 15%) and free from oils, grease, previous coats of paint, varnish or other contaminants. The presence of previous coatings may detrimentally effect the long term adhesion and fire protection performance. Paramose Original Paint Stripper is recommended for stripping off existing coatings.

Hardwood surfaces should be lightly abraded, all dust being removed. Some exotic hardwoods contain oils or resins which may be incompatible and should be avoided or primed with a diluted coat of Zeroflame™ Intumescent Varnish (dilution rate 50:50 with water). Acid sensitive timbers or veneers, e.g. cherry, should be primed with Zinsser Bullseye Sealcoat to avoid discolouration.

### Mixing

**Zeroflame™ Intumescent Varnish:** Thoroughly stir Component A in its container. Stir Component B and slowly add complete contents of container to Component A, while stirring continuously until homogenous.

The usable pot life depends on environmental conditions, being 2 hours at 20°C, longer in cooler conditions.

**Zeroflame™ Clear Finish:** This is a single pack spirit based product which requires thorough stirring prior to application.

All containers should be kept lidded when not in use.

### Application Methods

Apply Zeroflame™ Intumescent Varnish in one even coat (wet film thickness: 150 microns) by brush, roller or spray. If spraying, thin Zeroflame™ Intumescent Varnish 10% with water and use airless spray equipment operating at 1800 p.s.i. (120 bar) with 15 thou. (0.38mm) tip and 175 - 200mm fan.

Do not thin except when using as a primer on resinous surfaces (see surface preparation), or spraying.

When Zeroflame™ Intumescent Varnish is dry, apply one coat Zeroflame™ Clear Finish (wet film thickness: 100 microns).

### Site Conditions

The Zeroflame™ system should **NOT** be applied in the following conditions:

Ambient temperature:	below 7°C
Surface temperature:	less than 3°C above dew point
Relative humidity:	in excess of 85%
Substrate Moisture Content:	in excess of 15%

If drying is slow, dehumidifiers may be of assistance. Allow adequate ventilation at all times.

### Limits of exposure

The Zeroflame™ Varnish system is for internal use only and should not be used in areas exposed to weather, excessive moisture, or on surfaces exposed to excessive heat or wear. If used in kitchens, bathrooms or similar areas, ensure that efficient air extraction is provided to eliminate steam and condensation.

### Cleaning

Zeroflame™ Intumescent Varnish: wash all equipment with hot water immediately after use. Zeroflame™ Clear Finish: clean all equipment with white spirit immediately after use.

### Drying and Overcoating Times (at 25°C & 60%RH)

	Zeroflame™ Intumescent Varnish	Zeroflame™ Clear Finish
Touch dry	4 - 6 hours	1 hour
Hard dry to handle	48 hours	4 hours
Minimum Overcoating	24 hours	N/A
Full cure	7 days	2 days

### Health & Safety

See container labels.