

# ZEROflame™ FIRE RETARDANT PAINT

## TECHNICAL DATA

### PRODUCT DESCRIPTION

Zeroflame Fire Retardant Paint is a water-based fire protection coating which achieves Class 0 and Class 1 Fire Propagation and Spread of Flame fire protection on internal timber substrates.

### APPLICATION AREAS

Zeroflame Fire Retardant Paint can be applied to reduce the ignitability of soft and hard wood and other wood derivatives, i.e. plywood, chipboard, fibre insulation board, hard board, also on veneering  $\geq 12\text{mm}$  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.

### PRODUCT FEATURES

Zeroflame Fire Retardant Paint:-

- Is a water-based coating system
- Can be applied by brush, roller or spray
- Achieves Class 1 and Class 0 protection
- Has a matt white finish
- Can be overcoated with up to 3 coats of acrylic paint where a decorative finish is required
- Can be applied over sound existing coatings
- Has a coverage rate of  $3.7\text{m}^2/\text{litre}$

### TECHNICAL INFORMATION

<i>Appearance when dry</i>	Matt white
<i>Mass density</i>	Approx. $1.33\text{ g/cm}^3$
<i>Solids by weight</i>	Approx. 70% (according to EN ISO 3251)
<i>VOC Content</i>	Max. 140 g/litre (2010 EU limit: 140 g/litre)
<i>Shelf Life</i>	12 months from delivery in cool and dry storage conditions and in original unopened containers.

### APPLICATION INSTRUCTIONS

**Preparation of coating material:** Stir Zeroflame Fire Retardant Paint thoroughly until free of lumps.

**Application Methods:** Airless spraying - material shall be applied undiluted  
- airless spray equipment with transmission  $\geq 23:1$   
- hose diameter not below  $3/8''$

APPLICATION INSTRUCTIONS cont...

- whipline ¼” may be used
- recommended tip size 0.34 – 0.66mm or 0.017 – 0.027”
- hoses must be used only for water-based coatings

Brushing/Rolling - material shall be applied in supply viscosity

**Application Conditions:** Object temperature not below 10°C, to max. 40°C  
Relative humidity max. 80%  
Application temperature shall be at least  $\geq 3$  C above dew point. In case relative humidity exceeds 80%, special measures must be taken to prevent condensation forming while applying.

**Drying/Curing:** At approx. 20°C temperature and 65% relative humidity approx. 12 hours. Lower temperatures and higher relative humidity may extend drying time. May be recoated after 4-6 hours, provided conditions permit.

**Cleaning:** Immediately after use, clean the equipment with water.

HEALTH AND SAFETY INFORMATION

Please observe safety instructions on container labels and local regulations. Dangerous Goods regulation should be followed. During application in closed rooms, pits and shafts, etc. sufficient ventilation must be provided. Keep away from naked flame, including welding. In poorly lit rooms, only electric safety lamps are permitted. The installed ventilation equipment must be spark-proof. In a liquid, or not fully cured state, the product contaminates water and should not be allowed to enter drains or be spilled onto open ground. All spillages and liquid waste must be removed according to local Health and Safety regulations.

For full details on Health and Safety data for this product, refer to the Safety Data Sheet, available on request.

CERTIFICATION

Zeroflame Fire Retardant Paint has been tested to BS 476 Parts 6 and 7 (1987).

It achieves Class 0 Fire Propagation and Spread of Flame fire protection on timber surfaces when applied according to the manufacturer's recommendations.

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