



# TECHNICAL DATA SHEET

## PYRO-TECH L.S.

### Single Component Water Based Intumescent Coating



**Thortex Pyro-Tech L.S.** is a high performance water based fire limitation coating specially developed for internal wooden and cementitious surfaces where fire safety is a major consideration.

**Thortex Pyro-Tech L.S.** is based on special fire and flame resistant resins combined with highly efficient intumescent pigments and fillers which provide the optimum resistance to fire propagation. This unique combination of resins and pigments enables the coating to minimise flame spread in the event of a fire thus restricting the speed at which the fire can be spread.

**Thortex Pyro-Tech L.S.** is suitable for use on almost any type of timber or mineral surface where a high degree of fire protection is required.

**Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.**

### SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from oil, grease or other contamination.

**Timber Substrates:** Softwoods require no additional preparation, but hardwoods should be lightly abraded. All dust and loose material should be removed.

**Painted Surfaces:** Glossy surfaces should be lightly abraded to provide a key for subsequent painting, any dust and loose material should be removed.

**Cementitious Surfaces:** Concrete surfaces should be free from laitance, other surfaces should be free of loose material.

### MIXING

**Thortex Pyro-Tech L.S.** is a single component material and should only require stirring prior to use to incorporate any slight separation.

### APPLICATION

**Thortex Pyro-Tech L.S.** can be applied by brush, roller or spray and is supplied ready for use by brush or roller, where spray application is being considered, up to 5% by volume of clean water may be required, depending on the type of equipment being used.

Two coats to a total dry film thickness of 150 microns should be applied.

On porous surfaces the application of a sealer coat using **Thortex Pyro-Tech L.S.** thinned 50% with water should be applied before applying the two normal coats of material.

All equipment must be cleaned IMMEDIATELY after use with clean water.

### Theoretical Coverage Rate

6.7 m<sup>2</sup> / litre at 75 microns dft (72 ft<sup>2</sup> / litre at 3 mils dft)

### Recommended Film Thickness

Wet 150 microns  
Dry 75 microns

Detailed working recommendations are available from the Technical Centre on request.

### PHYSICAL CONSTANTS

**Mixing Ratio** Supplied ready for use.

**Appearance** White thixotropic liquid.

**Drying & Cure Times**

<b>at 20°C (68°F)</b>	Touch Dry	30 minutes
	Hard Dry	2 hours
	Minimum Overcoating	4-6 hours
	Full Cure	2 days

**Volume Solids** 50%

**V.O.C.** Nil

**Fire Performance**

**(Applied at recommended dft)**

Class 1 Surface Spread of Flame - BS476 Part 7

Class 0 Designation in accordance with UK Building Regulations 1985 - BS476 Part 6 Approvals Document B2/3/4 Appendix A.

**Shelf Life**

Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).  
PROTECT FROM FROST.

**HEALTH AND SAFETY**

As long as normal good practice is observed **Thortex Pyro-Tech L.S.** can be safely used.

Vapour masks should be worn for spray application.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

**PACKAGING**

Supplied in 5 and 20 litre units.

FOR FURTHER INFORMATION PLEASE CONTACT

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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