



## PYRO-TECH C.S.

### Two Component Water Based Clear Intumescent Coating

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

**Thortex Pyro-Tech C.S.** is based on special fire and flame resistant resins which provide the optimum resistance to fire propagation. This unique combination of resins enables the coating to minimise flame spread in the event of a fire thus restricting the speed at which the fire can spread.

**Thortex Pyro-Tech C.S.** is suitable for use on almost any type of timber 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.

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

#### MIXING

**Thortex Pyro-Tech C.S.** is a two component material comprising base and activator components which must be mixed together before use.

The base component should be stirred and whilst continuing stirring, the activator component should be added and mixed until homogeneous.

#### APPLICATION

Do not apply when the relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point. Minimum temperature for application is 7°C.

**Thortex Pyro-Tech C.S.** should be applied by brush, roller or spray. **Thortex Pyro-Tech C.S.** should be applied to give a smooth uniform film to give a dry film thickness of 100 microns (4 mils).

To ensure compliance with BS476 Part 6 and 7 on most timber substrates, **Thortex Pyro-Tech C.S.** should be applied at 150 microns wet to give 100 microns dry.

**Thortex Pyro-Tech C.S.** should always be overcoated with **Thortex Pyro-Tech C.S. Lacquer**. This should be carried out as soon as the **Thortex Pyro-Tech C.S.** is touch dry.

All equipment must be cleaned IMMEDIATELY after use with clean water. Stubborn deposits should be removed using **Thortex Universal Cleaner**.

#### Theoretical Coverage Rate

6.8 m<sup>2</sup> / litre at 100 microns dft (73 ft<sup>2</sup> per litre at 4 mils dft)

#### Recommended Film Thickness

Wet 150 microns (6 mils)

Dry 100 microns (4 mils)

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

#### PHYSICAL CONSTANTS

**Mixing Ratio** 4 parts base to 3 parts activator by volume.

**Appearance** Base Clear Thixotropic Liquid  
Activator Viscous Brown Liquid

#### Drying & Cure times

**at 20°C (68°F)** Usable Life 1½ - 2 hours  
Overcoating Time 4-6 hours

**Volume Solids** 68%

**V.O.C.** 46 gm/litre

**Shelf Life** Use within 12 months of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).  
PROTECT FROM FROST.

#### **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.

## **HEALTH AND SAFETY**

As long as normal good practice is observed **Thortex Pyro-Tech C.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 4.5 litre packs

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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