

FIRE RETARDANT COATINGS FOR TIMBER BASED PRODUCTS

Giving you time in a fire situation



FIRE RETARDANT COATINGS FOR WOOD



FIRE RETARDANT COATINGS FOR TIMBER BASED PRODUCTS

- Achieves Class 0 and Class 1 Surface Spread of Flame to BS 476.
- Proven performance, independently certified by the National Accreditation of Measurement and Sampling (NAMAS).
- Available in clear varnish, emulsion or paint systems.
- Low odour and quick drying.
- Easy to apply by conventional on-site methods.
- Ideally suited for refurbishment and repair, maintenance and improvement projects.
- One of a family of renowned fire retardant product brands from Arch Timber Protection.



DEFINITION

A range of intumescent coatings primarily for wood based substrates, which can be applied on-site to upgrade the fire performance of the substrate.

The Flamecheck range has been developed to avoid the disadvantages normally associated with more traditional fire retardant coatings which have been known for their difficulty of application, unpleasant odour, inferior abrasion resistance and poor service life.

AREAS OF USE

- Interior use only.
- Dry internal timber linings.
- Some products are also suitable for masonry, plaster and polystyrene tiles.
- May be applied to previously coated or stained surfaces following removal of coatings. Seek advice from Arch Timber Protection.

STANDARDS

- Independently tested at NAMAS accredited test house, and when applied as recommended, satisfy the requirements of:
 - **Class 1 Surface Spread of Flame BS 476 Part 7**
 - **Class 0 BS 476 Parts 6 & 7 in accordance with UK Building Regulations E15**

PRODUCT RANGE

- **FR101 - Emulsion** to conceal the substrate in white or pastel shades.
- **FR301 - Paint** to conceal the substrate and provide a gloss finish in white, or tinted to give a wide range of colour options.
- **FR401 and FR201 - Clear lacquer** formulated to retain the natural beauty and characteristics of softwoods, hardwoods and veneered surfaces. 2 part product.

CODE	FR 101	FR 301	FR 401	FR 201
DESCRIPTION	One component water based paint system. Low smoke (BS 6853), intumescent emulsion paint.	Two component paint system. Water based intumescent base coat and solvent based top coat in gloss (or satin to order).	Two component, water based, clear intumescent coating. Base coat plus activator. Must be used in conjunction with FR201 as a top coat.	Solvent based protective or matting coat for FR 401. Available in gloss, satin or matt.
COLOURS	White. Grey and pastel shades available to order.	White. BS colour range for top coat, tintable from white, is available to order.	Clear.	Clear.
UNIT SIZE	5 litres.	5 litres for each component.	Base coat plus activator is 4.5 litres when mixed.	5 litres.
APPLICATION	Two coats by brush, roller or spray.	Two coats of base coat plus one coat of top coat by brush, roller or spray.	One or two coats by brush roller or spray.	One coat by brush, roller or spray.
TYPICAL FILM THICKNESS	150 microns wet film thickness per coat.	Base coat: 150 microns wet film thickness per coat. Top coat: 50 microns wet film thickness.	150 microns total wet film thickness.	100 microns wet film thickness.
COVERAGE	6.7 m ² per litre, per coat.	6 m ² per litre, per coat for base coat and 20m ² per litre for top coat.	6.8m ² per litre.	9.6m ² per litre.
TIME TO HARD DRY TO HANDLE	2 – 3 hours.	Base coat: 2 – 3 hours. Top coat: 24 hours.	48 hours.	4 hours.

SPECIFICATION

The... (*insert details of substrate*) is to be protected to... (*Class 1 Surface Spread of Flame BS 476 Part 7 or Class 0 BS 476 Parts 6 & 7 in accordance with UK Building Regulations E15*) by the application of Flamecheck ... (*insert product code*) fire retardant coating, strictly in accordance with the manufacturer's recommendations.

Specification clauses are available to download from the Arch website - www.archtp.com and also from the NBS Plus Product Selector - www.nbsplus.co.uk



HEALTH AND SAFETY

- Ensure you consult and read the appropriate product data sheet prior to use.
- Use in well ventilated areas.
- Avoid mist when spraying.

GENERAL GUIDELINES FOR USE

- Prior to application surfaces should be dry and free from oil, grease, wax, dirt, sawdust and other contamination.
- Glossy and water repellent surfaces require heavy abrasion and may need sealing. A test application is recommended.
- Previously coated surfaces need careful assessment and a test application is recommended. Removal of existing coating is recommended.
- The fire retardant properties of Flamecheck are not affected by wood type or thickness.
- Product data sheets providing detailed recommendations are available on request.



Flamecheck is a member of a family of fire retardant products available from Arch Timber Protection:



FIRE RETARDANT COATINGS FOR WOOD

Dricon[®] treated timber is suitable for interior and weather protected situations.



*FIRE RETARDANT TREATED TIMBER
FOR INTERIOR & WEATHER PROTECTED SITUATIONS*

Non-Com[®] **Exterior** treated timber is suitable for exterior or severe damp situations.



*FIRE RETARDANT TREATED TIMBER
FOR EXTERIOR OR SEVERE DAMP SITUATIONS*

Vacsol[®] **FR** fire retardant framing timbers are treated with a combined fire retardant, preservative system and are specifically designed to provide fire retardant protection during the construction phase of the timber frame build process. For framing components only.



FIRE RETARDANT FRAMING TIMBERS



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BS EN ISO 9001:2000
Reg No FM 1636



BS EN ISO 14001:2004
Reg No EMS 539413

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