



# New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

# THERMOGUARD FIRE VARNISH

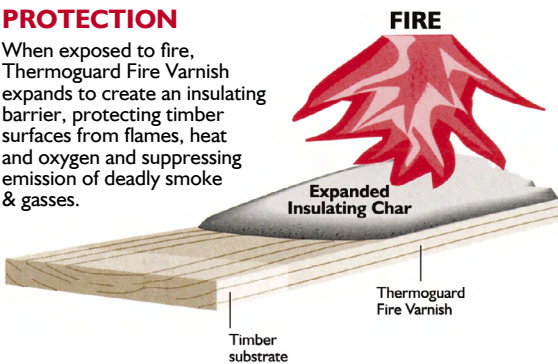
**Class B s2 d0 + Class O INTUMESCENT  
CLEAR + STAINED VARNISH**

## INTENDED USE – CLEAR or STAINED VARNISH DECORATIVE FIRE PROTECTION for WOOD

Thermoguard Fire Varnish is a varnish with the option of a clear or stained finish for Fire Protection of timber and timber derivative substrates. The special formula provides a tough, durable finish to internal and external wood. Clear or stained finishes enhance the natural beauty of the wood while fire protecting new and previously varnished surfaces. Fire Varnish Overcoat matt or satin provide protection against UV and wear.

## INTUMESCENT FIRE PROTECTION

When exposed to fire, Thermoguard Fire Varnish expands to create an insulating barrier, protecting timber surfaces from flames, heat and oxygen and suppressing emission of deadly smoke & gasses.



## CLEAR + STAINED VARNISH Finishes

Thermoguard Fire Varnish Overcoats are available in **Clear or Stained Varnish\*\***

### Matt or Satin

- Fire Varnish basecoat available in 20 sq m
- Clear & Stained Fire Varnish Overcoat in 20 sq m

\*\* see Woodstain + Stained Varnish Colour Card on [www.thermoguard.co.uk](http://www.thermoguard.co.uk)

## SPECIFICATION + APPLICATION

### Prepare and apply –

- 1 good or 2 standard coats Thermoguard Fire Varnish basecoat
- 1 coat\*\*\* Fire Varnish Overcoat Clear or 2 coats Woodstain. Apply 1 > 4 days after basecoat dry

\*\* Fruitwoods or damp areas 2 coats **FVOvercoat**.

**EXTERNAL - 1 coat Thermoguard Fire Varnish basecoat, 2 coats Fire Varnish Exterior Overcoat.**

\*\*\* Fruitwoods, damp or high wear areas – 2nd coat FV Overcoat.

\*\*\* EXTERNAL 2 coats Brush Grade Lacquer.

**Application by painters, decorators & other professional users only. Refer to instructions on Fire Varnish Base & Overcoat containers.**

## PREVIOUSLY VARNISHED & STAINED SURFACES or WOOD PRESERVERS

Thermoguard Fire Varnish can be applied over firmly adhered standard clear varnish.

For existing stained varnishes, stain coatings, old fire coatings or if in doubt, contact Technical Dept.

- If preservatives are required, use rapid drying clear non water-repellent grades.\*\*\*
- For tanalised or other preservative treatments, contact Technical Dept.

\*\*\*Allow adequate time for stain or preservative fluids to escape.

All materials and specifications are provided in accordance with the Terms and Conditions of Thermoguard  
Refer to Health & Safety Data Sheets on [www.thermoguard.co.uk](http://www.thermoguard.co.uk) before using these products.

## FIRE TEST STANDARDS

in UKAS-accredited Fire Test laboratory

- **BS EN Class B s2 d0 \*\***
- **Class O \***

**Note - For 30 or 60 mins Fire Resistance, contact Technical Dept. 01142 768008 (2)**

For **Doors** refer to Fire Door Varnish on [www.thermoguard.co.uk](http://www.thermoguard.co.uk)

\*\* See section **NEW FIRE REGULATIONS & TESTS EXPLAINED**

\* Class O includes Class I.



## FIRE CERTIFICATION

Thermoguard will issue a Certificate of Supply upon request for each correctly specified project for Insurance, Fire and Building Control Authority and Client Records against proof of purchase.

## PREPARATION

- Cover, countersink & fill, or use non-ferrous, galvanized, stainless or sheradised fittings
- Ensure surfaces are dry, clean and free of all contamination.
- Varnished, sealed or non-porous wood should be abraded thoroughly with medium grade silicone carbide abrasive **when dry** to provide a good key.

## CONDITIONS

### During application & drying of the full system

- Ensure surfaces are thoroughly dry – max 18% moisture content.
- Maximum relative humidity RH 75%. Ensure adequate ventilation.
- Minimum air temperature 6°C. Minimum surface temperature 3°C above dewpoint – avoid condensation.

## NEW FIRE REGULATIONS & TESTS EXPLAINED

- The new fire standard BS EN test lasts 20 mins. with airflow replaces the old BS 476 tests which lasted 10 mins and strangely restricted airflow.
- The new standard for flamespread and heat release Class B replaces Class O.

### The new BS EN tests also monitor -

- Smoke & Gas "s" – s1 + s2 are none or very low & compliant, s3 = moderate smoke, s4 = heavy smoke.
- Flaming Droplets or Airborne particulates – d0 is none, d1 = low, d2 = moderate d3 = high levels.

For more information see [www.thermoguard.co.uk](http://www.thermoguard.co.uk) "New BS EN Fire Regulations & Standards Explained".

## ENVIRONMENTAL, HEALTH & SAFETY

Fire Varnish Basecoat is water based. Fire Varnish Clear and Stained Overcoat are compliant. Max Voc 300 gm/lt. EU VoC limit for this product is 500 gm/lt.

Refer to HSDS on [www.thermoguard.co.uk](http://www.thermoguard.co.uk)

## QUALITY ASSURANCE

All products are manufactured under ISO 9000.

## THERMOGUARD

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**THERMOGUARD**  
FIRE & PROTECTIVE PAINTS  
[www.thermoguard.co.uk](http://www.thermoguard.co.uk)

