



New Guard Coatings Group

A global reputation to protect.

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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

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

Varnish Exterior 2K Overcoat Clear Matt & Satin

Fire Varnish Exterior 2K Overcoat

Thermoguard Fire Retardant Varnish Exterior 2K Overcoat is for use in combination with and over Thermoguard Fire Varnish Basecoat for external applications.

- For timber/timber derived substrates
- Clear, UV and wear-resistant finish
- Certificate of Supply available when used over Thermoguard Fire Varnish Basecoat
- Clear ONLY

Intended Use Thermoguard Fire Varnish is a varnish system for the Fire Protection of timber and timber derived substrates to BS Class 1 and Class 0 Surface Spread of Flame as well as BS EN Class B s2 d0 (for 30 or 60 minutes Fire Resistance contact Thermoguard Technical).

The special formula provides a tough, durable finish to external wood. Clear overcoat enhances the natural beauty of the wood while fire protecting new/bare surfaces.

The Thermoguard Fire Varnish System is made up of Thermoguard Fire Varnish 2K Basecoat (a two component, water based product) and Thermoguard Fire Varnish Exterior 2K Overcoat (a two component solvent based product and activator mixed together which is a clear, intumescent varnish available in a clear matt or satin finish. Thermoguard Fire Varnish Exterior Overcoat provides protection against UV and wear whilst Thermoguard Fire Varnish Basecoat provides the Fire Protection.

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

Application

To BS Class 1 and Class 0 Surface Spread of Flame as well as BS EN Class B s2 d0 (for 30 or 60 minutes Fire Resistance see Thermoguard Fire Varnish 30 & 60 Minute System)

Prepare and apply – (EXTERIOR, DAMP, HIGH WEAR AREAS or FRUITWOODS)

- 1 coat of Thermoguard Fire Varnish Basecoat
- 1>4 days after Basecoat is dry, apply 2 coats of Thermoguard Fire Varnish 2K Overcoat Matt or Satin C

Please note: Timber must be clean and thoroughly dry prior to application (maximum 18% moisture content). Any gaps should be sealed with Thermoguard Intumescent Mastic. Fire should be prevented from accessing unprotected wood surfaces and for external applications it is recommended wood has been sealed on the reverse face to stop water ingress.

Available Pack Sizes Thermoguard Fire Varnish Basecoat is available 20m² packs
Thermoguard Fire Varnish Exterior 2K Overcoat 20m² packs

Varnish Exterior 2K Overcoat Clear Matt & Satin

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

Previously Varnished and Stained Surfaces or Wood Preservers

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

For existing stained varnishes, stain coatings, old fire coatings or if in doubt, contact our Technical Department

- If preservatives are required, use rapid drying clear non water repellent grades*.
- For tannalised or other preservative treatments, contact our Technical Department.

*Allow adequate time for stain or preservative fluids to escape before applying the Thermoguard Fire Varnish System.

Fire Test Standards and Certification BS EN Class B s2 d0
Class 1 and Class 0

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. After successful application of a complete system a certificate can be applied for [HERE](#)

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 silicon carbide abrasive when dry to provide a good key.

Application to OSB/Sterling Board Please contact Thermoguard Technical

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.

Cleaning Return as much unused material to its original container as possible. Wash brushes rollers and guns with clean waters immediately following use.

Health and Safety Please refer to the relevant Safety Data Sheet for full details of this product
Apply all products in accordance with BS 6150:2019- Code of practice for painting of buildings.
Do not store this product in cold temperatures below 5°C or above 30°C.

Further Support If you require any further assistance, please contact Thermoguard Technical Helpdesk on 01143 768008 option 2 or email technical@thermoguard.co.uk