



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

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

THERMOGUARD FIRE VARNISH PROFESSIONAL LACQUER SYSTEM

Class B s2 d0 + Class O

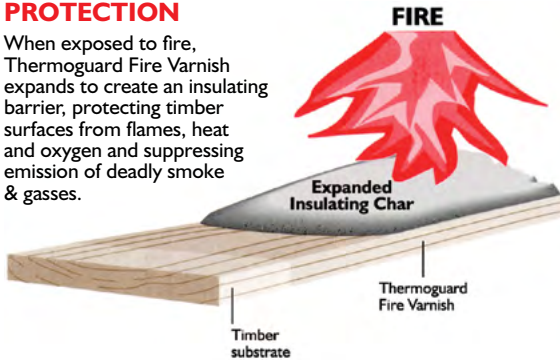
Clear, Woodshades & Opaque Lacquer for Spraybooth Application

INTENDED USE – WOOD FIRE PROTECTION

Hard, wear resistant Fire Protection AC lacquer for application by professional lacquer sprayers in spraybooths.

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, STAIN & OPAQUE LACQUER

Topcoat Lacquer available in

Satin or Gloss

- Clear*
- BS 4800, BS 381C, RAL – 2 days
- Special Colour Match – 3 days
- Transparent Woodshades – 5 days see colour chart. Colour match to same service available.

*Fruitwoods – obtain written spec

PACK SIZES

- Fire Varnish basecoat 20 sq m
- Professional Lacquer 40 sq m*

*Double order for colours, woodshades & wear areas.

APPLICATION

Basecoat

- 1 spray coat @ 150 microns wet, 75 microns dft. Leave 36+ hrs in good drying conditions. When hard dry apply:

Professional Lacquer

- 1* spray coat @ 60 microns wet, 30 microns dft.
- * Apply 1 full or 2 light coats Professional Lacquer by spray, roller or brush maintaining a wet edge. (Note - spray broad flush areas). For Colours, Woodshades or for high UV areas 2nd coat after 2 > 36 hrs
- If 36+ hrs delay before 2nd coat, abrade to remove gloss & leave overnight to condition before applying 2nd coat.

Equipment

- Conventional pressure pot & gun (best) 5 > 10% Thinners.
- Airless - 11 thou tip. thin 0 > 5% Thinners.
- Avoid solvent contamination of basecoat or water/basecoat contamination.

FIRE TEST STANDARDS

in UKAS-accredited Fire Test laboratory

- Class 1, Class 0, Class B s1 d0 (hardwood veneer / plywood), new Class B s2 d0 (softwood) in 2 days*

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

* See section NEW FIRE REGULATIONS & TESTS EXPLAINED



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.

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 0.

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 "New BS EN Fire Regulations & Standards Explained".

QUALITY ASSURANCE

All products are manufactured under ISO 9000.

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 before using these products.

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THERMOGUARD
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