

2K Fire Varnish Basecoat

Clear Fire Protection Basecoat for Thermoguard Fire Varnish Systems

Fire Varnish Basecoat a two-component product consisting of base + activator for use under:
Fire Varnish Overcoat Matt and Satin

Fire Varnish Exterior 2K Overcoat Matt and Satin

Can be specified as part of the Thermoguard Fire Varnish 30 & 60 Minute Systems.

All Thermoguard Fire Varnish Systems are made up of Thermoguard Fire Varnish Basecoat (a two component, waterbased product consisting of a base and activator mixed together before use which is a clear, intumescent varnish to be finished with the appropriate Fire Varnish System.

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.

Specification BS Class 1 and Class 0 Surface Spread of Flame as well as BS EN Class B s2 d0
Note for 30 or 60 minutes Fire Resistance contact Thermoguard and request a Thermoguard Fire Varnish 30 & 60 Minute System.

Example Specifications prepare and apply – (INTERIOR)

1 coat of Thermoguard Fire Varnish Basecoat

1>4 days after Basecoat is dry, apply 1 coat of Thermoguard Fire Varnish Overcoat Matt or Satin Clear or 2 coats of Thermoguard Fire Varnish Overcoat Matt or Satin for Woodstain Colours.

Example Specifications 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 Exterior 2K Fire Varnish Overcoat Matt or Satin. Clear or Woodstain Colours.

Application Conditions 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. NOT suitable for the topside of floor surfaces that will be trafficked/walked on.

Pack Sizes Thermoguard Fire Varnish Basecoat is available in 20m² packs
Always refer to instructions on containers and relevant datasheets

Varnished Stains & Preservers Thermoguard Fire Varnish Systems 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 on 01142 768008

- If preservatives are required, use rapid drying clear non water repellent grades*.
- For tanalised or other preservative treatments, contact our Technical Department.
- Allow adequate time for stain or preservative fluids to escape before applying Thermoguard Fire Varnish Basecoat

Preparation Cover, countersink & fill, or use non-ferrous, galvanized, stainless or sheradised fittings

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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.

For application to OSB/Sterling Board please contact Thermoguard Technical

Thermoguard Fire Varnish Basecoat should only be applied to dry wood, with dry conditions during application

Drying time Drying time of the basecoat in good conditions is overnight. Once the basecoat has dried in good conditions the basecoat remains ideal to overcoat for a further 4 days. Thereafter, the basecoat becomes gradually harder, until it reaches a point where the overcoat may not obtain a good bond.

Thermoguard therefore recommend overcoating when basecoat is dry, within the following 4 days in good conditions.

Delamination of overcoat caused by application to near-full cured basecoat has NEVER occurred when the overcoat was applied within 7 days. The longer the delay beyond '4 days after basecoat has dried' (so typically 5 days after application), the greater the risk of overcoat delaminating.

If overcoating is delayed notably beyond 7 days after the basecoat was dry, it is advised; Basecoat is abraded to obtain a key with 120 grit abrasive
Apply a light coat of basecoat to replaced material removed during abrasion
Apply overcoat within the ideal window or as near to it as possible

Conditions 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.

Thermoguard 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 at www.thermoguard.co.uk

Further Support If you require any further assistance, please contact Thermoguard Technical Helpdesk on 01142 768008 option 2 or email technical@thermoguard.co.uk