THERMOGUARD
FIRE & PROTECTIVE PAINTS

Issued 23/11/23

2 pack Fire Varnish Basecoat (Waterbased)

For Professional Use Only

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 (Interior or exterior) (Oil based)
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
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Specification

2023 compliant BS EN Class B s2 d0 as well as BS Class 1 and Class 0 Surface Spread of Flame.
Note for 30 or 60 minutes Fire Resistance contact Thermoguard and request a Thermoguard Fire Varnish 30 & 60 Minute System Specification.

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)**
Also, for (DAMP ENVIROMENTS, 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 Overcoat Matt or Satin Clear or Woodstain Colours.

Application Conditions

Timber must be clean and thoroughly dry prior to application.
Ensure **no** surface contaminates are present ie: oils or wax's including white spirit.
(maximum 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

Gaps should be closed to prevented Fire from accessing unprotected wood surfaces.
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.

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

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Pack Sizes	Thermoguard Fire Varnish Basecoat is available in 20m² packs Always refer to instructions on containers and relevant datasheets
Preparation	Cover, countersink & fill, or use non-ferrous, galvanized, stainless or sherardized 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. Wipe down with a damp cloth to remove dust. 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
Application Guidance	**After Mixing** Allow to Stand for 30-60mins before use. Apply to a small test area before applying generally. Use within 4 hours of mixing. Apply 1 or 2 coats, ensuring the correct amount applied relative to the coated area. **Important Note**: **Ensure good air movement** & ventilation with dry conditions before and during the application, until over-coated.
Drying	Minimum drying time 8 hrs. Ensure the basecoat is hard dry at the time you apply the overcoat. Drying time of the basecoat in good conditions is overnight. Once the basecoat has hard dried, it 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. Note: 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
Cleaning	Return as much unused material to its original container as possible. Wash brushes rollers and guns with **Clean Water** 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