



TECHNICAL DEPARTMENT
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DUALCOAT SMOKE & FLAME RETARDANT MATT & SATIN

Key Benefits: Decorative finish applied over Safewood Insulating Basecoat for Dualcoat Intumescent 30/60 System protects wood and wood-based boards
Achieves BS EN Class B s1 d0 safest standards for toxic smoke s1 flaming droplets d0 and flamespread / insulation Class A2 + B.
Previous Class O compliant.

Colour range - NCS, RAL, BS4800, BS381 and Thermoguard Select
Can be used on suitable external timber cladding. Best to apply to all sides.
If not practical, seal void with fire rated foam and acrylic intumescent mastic.
(For bare existing porous wood boards, we recommend Thermoproof Exterior)
Can be used as part of a system to achieve 30 or 60 minutes Fire Resistance
Finished system provides a decorators'- acrylic smooth aesthetically pleasing, durable finish to wood, mdf, ply and wood derivatives

How it works:

Insulating Basecoat expands in a fire to create a resilient insulating barrier.
Dualcoat Smoke and Flame Retardant emits a safe fire-damping vapour in a fire to control flame spread and suppress smoke.

Dualcoat SFR's polyurethane hardened acrylic "cross-links" during the drying process to form a smoother, harder, more cleanable surface than typical wall paints and help eliminate the microscopic pockets that host bacteria which prevent effective cleaning.
A unique concentrated mix of safe, biocidal metal encapsulated nano-particles attacks viruses and bacteria that settle on surfaces, damaging their protective "envelope" to kill their live cores and disable their spikes penetration of lung's cells

Fire Test: FIRE TEST STANDARDS in UKAS and EOTA - accredited Fire Test laboratory
BS EN Class B s1 d0 (old Class O compliant) on wood and wood-based boards

Application 1 or 2 coats as specified

Pack Sizes Sold in 20 sq m and 40 sq m pack sizes to aid correct application

Coverage Follow on can guide to coverage to enable project Certification.

Drying Times In normal conditions product will be touch dry in an hour and fully dry after 4 hours

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Conditions	Do not apply in temperatures under 8°C or above 30°C. Maximum relative Humidity below 75%. Wood should be fully dry. Surface should be at least 3°C above the dew point.
Typical Use	This product forms part of a system for protecting wood and wood-based boards
VOC Content	Low VOC. EU limit for this product (cat A/i) is 140 g/l. This product contains 16 g/lv
Composition	Catalytic and safe vapour-emission compounds, nano-particle encapsulation- water-based polyurethane hardened cross-linking acrylic
Preparation	Insulating Basecoats must be clean and fully hard dry. Stir well before use
Brushes & Roller	Use a woven short pile roller sleeve or synthetic brush at rate stated on can
Spray	Pressure Pot and Gun conventional with hand-portable compressor. Thin 5% water OR Airless Graco 1500, 3500 or equivalent. 3/8" line, 30 mesh filter on machine, no filter in gun. 521, 523, 621 or 623 tips. Ensure coverage is applied as per can i.e., 20 sq m can covers 20 sq metres.
Certificates	Once the works are complete, a project and area- specific Certificate available after due diligence via www.thermoguard.co.uk stating any project specification number.
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 according to BS 6150:2019- Buildings Painting Code of Practice Do not store this product in cold temperatures below 5°C or above 30°C. Store in a dry secure place away from children or animals. Dispose of in accordance with local authority waste disposal measures. Do not pour into drains or watercourses. Reduce- Reuse- Recycle.
Further Support	If you require any further assistance, please contact Thermoguard Technical Helpdesk on 01142 768008 option 2 or email technical@thermoguard.co.uk