



# New Guard Coatings Group

A global reputation to protect.

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[www.newguardcoatings.com](http://www.newguardcoatings.com)

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# WALLCOAT ANTI-MICROBIAL SFR

## ANTI-MICROBIAL SMOKE & FLAME RETARDANT PROTECTION PAINT

Upgrades general and multi-layer painted walls and ceilings to  
**Class O and BS EN Class B s1 d0**

### Coronaviruses & Bacteria killed fast

after they land on walls or wood protected with Thermoguard Anti-Microbial SFR

**91.5%** Coronavirus reduction in 2 hours to ISO 21702:2019. Determination of Anti-Viral activity of coated surfaces against Human Coronavirus. Test 16 Dec 2020.

**99.9%** bacteria reduction in 24 hours to ISO 22196:2011 Determination of Anti-bacterial activity. Test 05 Feb 2021.

### CORONAVIRUS, INFLUENZA & BACTERIA

Coronavirus, flu and harmful bacteria remain contagious on emulsion painted walls for weeks. Surfaces coated with Thermoguard Safewall's highly concentrated mix of safe, encapsulated nano-particle biocidal metals damage the shells of human coronaviruses and flu and the membranes of bacteria, so their death is greatly accelerated on the surface, they become vulnerable to our antibodies and their spikes ability to penetrate and act as a viral pathway into our lungs is notably reduced.

### ANTI-VIRUS TEST STANDARDS

#### Human coronavirus

**91.5%** reduction of human coronaviruses in just 2 hours in approved ISO 21702 virus microbiology laboratory coated surfaces tests 16 Dec 2020.

#### Infectious bacteria

**99.9%** bacteria reduction in 24 hours in ISO 22196 tests for coated surfaces 5 Feb 2021.

**Thermoguard Wallcoat provides permanent protection to supplement rather than replaces good hygiene.**



View video online at: [www.thermoguarduk.com](http://www.thermoguarduk.com)

### FLAMESPREAD & SMOKE

The Fire Safety Order 2005 requires property managers to comply with current fire standards for corridors, stairways, entrance lobbies etc.

Multiple layers of incompatible paints can create a surface spread of flame risk from moderate Class 2 to severe Class 4.

Old **Class O** is superseded by **BS EN Class B s1 d0** which protects from toxic gases & smoke as well as flamespread (high toxic smoke is s3 or s4, severe flaming droplets is d2 or d3).

Thermoguard Wallcoat Anti-Microbial SFR Smoke & Flame Retardant is free from antimony in commonly used pre-2010 flame retardant paints and effectively suppresses the highly toxic gas they can still emit in a fire.

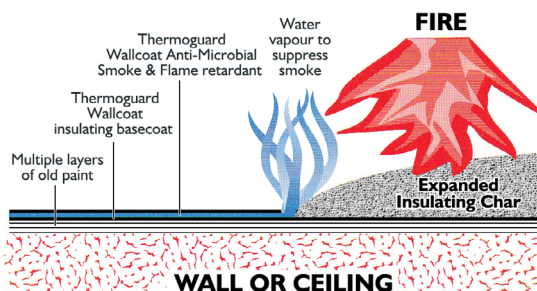
Extreme flammability foam insulation which emits cyanide gas is installed in millions of buildings' internal walls and ceilings, creating an even greater need to control flamespread.

### APPLICATION

- 1 coat Thermoguard Wallcoat Insulating Basecoat
- 1 coat Wallcoat Anti-Microbial SFR Smoke & Flame Retardant
- Brush, dense woven pile roller, spray
- Dry lining in critical light apply board's sealer

### HOW IT WORKS

Thermoguard Wallcoat insulating basecoat expands to create a firm fire-resistant insulation. Wallcoat Anti-Microbial SFR Smoke & Flame Retardant emits a non-toxic flame suppression vapour. Just one coat of each provides effective fire protection to the current approved fire standards for all areas including corridors, stairs entrances as well as rooms.



### FIRE TEST STANDARDS

**BS EN Class B s1 d0**, officially compliant to old **Class O**, with full smoke control s1 and no flaming droplets d0 on plasterboard painted with multiple-layers of all types of paint used on buildings' internal walls since 1960. Thermoguard Wallcoat system gives permanent, effective fire protection and Thermoguard certify buildings without limit to the number of previous properly adhered coats.



### DURABILITY & MICROBIAL RESISTANCE

High concentration of pure acrylic resin hardener and smoothed with polyurethane avoid microbial safe havens created by all the cheap powders in even the most expensive very matt emulsions, making Wallcoat Anti-Microbial SFR Smoke & Flame Retardant suitable for areas subject to regular cleaning regimes. Wallcoat Anti-Microbial SFR Smoke & Flame Retardant's metal-based biocides do not leach out with humidity or during cleaning to provide permanent virus and bacteria protection.

### APPLICATION CONDITIONS

- Min temp 5°C, Max RH 75, Min 3°C above dew point
- Do not apply if condensation or extra-fast drying possible
- Seal leaching stains with acrylic compatible stain sealer

### FINISHES, COLOURS & SIZES

- **Thermoguard Select**, BS4800, RAL, NCS 5,000+ colours
- Matt and Eggshell
- Sold in 25sqm and 100sqm cans to avoid error

Available from independent decorators paint merchants UK-wide.

Find our stockists online: <https://bit.ly/3gA6wte>

All materials and specifications are provided in accordance with the Terms and Conditions of Thermoguard UK Ltd.  
Refer to Health & Safety Data Sheets before using these products.

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