



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

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

# THERMOGUARD SAFEWALLS SFR

## ANTI-VIRUS SMOKE & FLAME RETARDANT PROTECTION PAINT



Upgrades general and multi-layer painted walls and ceilings to  
Class 0 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

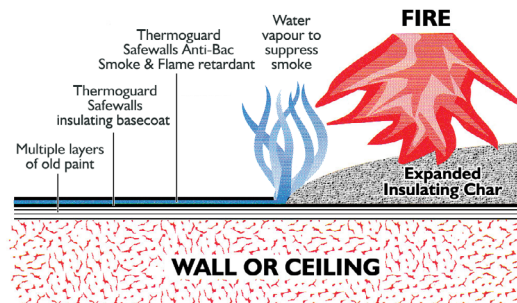
**99.9%** bacteria reduction in 24 hours in ISO 22196 tests for coated surfaces 5 Feb 2021.

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



### HOW IT WORKS

Thermoguard Safewalls insulating basecoat expands to create a firm fire-resistant insulation. Safewalls Anti-Viral 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 0, 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 Safewalls 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 hardenend and smoothed with polyurethane avoid microbial safe havens created by all the cheap powders in even the most expensive very matt emulsions, making Safewalls suitable for areas subject to regular cleaning regimes. Safewalls'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

### 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 0 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 Safewalls 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 Safewalls Insulating Basecoat
- 1 coat Safewalls Anti-Viral Smoke & Flame Retardant
- Brush, dense woven pile roller, spray
- Dry lining in critical light apply board's sealer

### FINISHES, COLOURS & SIZES

- Thermoguard Select, BS4800, RAL, NCS 5,000+ colours
- Matt and Satin
- 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.

### THERMOGUARD

Kirkby Street, Hull, HU2 0HE.

Phone: 01142 768008

Fax: 01142 381966

Email: [technical@thermoguard.co.uk](mailto:technical@thermoguard.co.uk)

**THERMOGUARD**  
FIRE & PROTECTIVE PAINTS  
[www.thermoguard.co.uk](http://www.thermoguard.co.uk)

