

Wallcoat 30 min system sheet

Thermoguard Wallcoat 30 & 60 Minute System for Plasterboard is a coloured intumescent paint system for interior plasterboard and cement board ceiling and wall surfaces.

System (Interior Use Only)

To achieve 30 or 60mins + BS EN Class B s1 d0 and Class 0 to sound plasterboard/cement board unpainted or painted with sound, firmly adhering* paints systems;

Apply 3 coats of Thermoguard Wallcoat @ 4.2m² per kg/per coat

Followed by;

1 coat** of Thermoguard Wallcoat Smoke & Flame Retardant Topcoat Eggshell or Matt

**2 coats of Thermoguard Wallcoat Smoke & Flame Retardant Topcoat may be required for strong/dark colours - Thermoguard Wallcoat will be provided in a suitable undercoat shade to aid topcoat opacity unless instructed otherwise.

Hard or smooth paints must be thoroughly abraded to provide a key. Ensure surfaces are dry & free from contamination.

Pack Sizes 5kg and 20kg

Coverage Follow on-can guide to coverage, do not overspread as this compromises the system and results in non-compliance and inability to certify.

Drying Times In normal conditions touch dry one hour
Overpaintable with Wallcoat Anti-Microbial SFR after 4 hours.

Application Min 8°C max 30°C.

Conditions Max relative Humidity 75%.
Surface should be at least 3°C above the dew point, free from condensation

Typical Use First part of a system for use as an intumescent basecoat on walls & ceilings

VOC Content Low Voc. Limit for this product (cat A/i) is 140 g/l. This product contains just 16 g/lv

COMPOSITION Catalytic powder, expansion agent, insulating char former, char hardeners & fibres
Binder: Fire protection adhesive grade rapid reaction acrylic resin. Water based

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- Preparation** All surfaces must be clean and dry. Remove all possible surface contaminants such as grease, smoke residues, silicates etc.
Seal water-stain risks with stain blocking sealer suitable to overcoat with water-based acrylic paints
Abrade hard or smooth surfaces with wetted 120 grit wet-or dry abrasive or dust extracting abrader. Rinse off slurry while still damp. When dry, remove any loose or suspect material back to firm edge.
Fill and repair any damage to the substrate using a good quality remedial filler
- Application** Apply one coat of Thermoguard Wallcoat Insulating Basecoat
To be overcoated with Wallcoat Anti-Microbial Smoke & Flame Retardant
Apply at rate stated on can or specification to protect surfaces & enable project Certification
- Brush & Roller** Woven fabric roller sleeves and synthetic bristle brushes
- Spray** Pressure Pot & Gun conventional unit with small compressor: Ensure all traces of solvent flushed out Thin 5 > 10% with water to spray viscosity. Adjust fluid flow & air flow as normal for acrylic emulsion paint OR **Airless** Graco 1500, 3500 or equivalent. 3/8" line, 30 mesh filter on machine, no filter in gun. 521,523, 621 or 623 tip
Ensure coverage is applied as per can i.e., 25 sqm can covers 25 sqm
- Certification** Once the works are complete the relevant certification can be applied for via the Thermoguard website. Please state any specification number to assist
- Test Data** FIRE TEST STANDARDS in UKAS and EOTA accredited Fire Test laboratory
BS EN Class B s1 d0 Compliant for Class 0, plus full smoke protection
For info on Anti-Corona-Microbial and Anti-Bacteria protection see Wallcoat SFR
For 30 or 60 minutes contact Technical 01142 768008 (2)
technical@thermoguard.co.uk
- 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.
- Further Support** If you require any further assistance, please contact Thermoguard Technical Helpdesk on 01142 768008 option 2 or email technical@thermoguard.co.uk

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IMPORTANT - The below information from the manufacturer must be read and referred to your relevant authority for approval BEFORE purchase and use.

PLASTERBOARD

We issue a 30 min Fire Certificate to upgrade 9mm plasterboard and 60 min on 12.5mm plasterboard below voids below 22mm tongue & groove floors or as one side of a partition wall using the specification above, based on the evidence below.

Wallcoat Intumescent Paint added minimum 30 mins Fire Resistance to 12.5mm plasterboard in a 90 min indicative UKAS Fire Test Laboratory.

In all cases 25mm MDF was located 70mm behind the plasterboards in place of floor boards or a board typically the other side of a partition stud wall.

Temperatures were monitored on the protected face (facing away from the furnace) of the MDF, and char damage to the side of MDF facing the plasterboard was measured following the 90 min Fire Test. Char damage was 10 >12 mm, indicating unprotected exposure to fire of 15 > 20 mins during the 90 min period.

Insulation was maintained for 60 mins.

CEMENT BOARD

We issue a 30 min Fire Certificate to upgrade 9mm or 20 min fire rated cementitious board and 60 mins to 12mm 30 min cement-based board under-drawing 22mm+ tongue & groove floor boards or as one side of a fire rated stud partition wall using the specification above, based on the evidence below.

Wallcoat Intumescent Paint added minimum 30 mins Fire Resistance to 10mm and 12.5mm cementitious board and to 12.5 mm plasterboard in a 90 min indicative UKAS Fire Test Laboratory. In all cases 25mm MDF was located 70mm behind the cement boards.

Temperatures were monitored on the protected face (facing away from the furnace) of the MDF, and char damage to the side of MDF facing the cement board was measured following the 90 min Fire Test. Char damage was 10 >12 mm, indicating unprotected exposure to fire of 15 > 20 mins during the 90 min period.

Insulation was maintained for 60 mins.