

C/S WALLFLEX®

WALL AND CEILING COATING SYSTEM

C/S Wallflex® is a superior and versatile hygienic coating. It has been reformulated to be 99.5% solvent free, very low odour, and with all the resilience and anti-microbial properties associated with Wallflex.

TYPICAL HEALTHCARE APPLICATION AREAS

System incorporating C/S Hygienic Mastic

- Operating theatres
- Pre-op and post-op recovery areas
- Category 3 ACDP clean rooms/laboratories (with optional FG)
- Kitchens – live steam/steam cleaning (including FG Heavy)
- Bathrooms/shower rooms (FG Heavy option in wheelchair access areas)
- Hydrotherapy pool halls and changing areas
- Clean/dirty utility

System without C/S Hygienic Mastic

- Clean corridors
- Treatment rooms (category 1 or 3; ref: HTM 56)
- X-ray areas
- Category 1 or 2 ACDP clean rooms/laboratories

KEY FEATURES

- Non-leaching anti-microbial additives in all system layers
- Solvent free polyurethane system
- Highly durable
- Eliminates cracking in corners, joints etc.
- Can be decontaminated from radioactivity (complies with HBN 26 'Facilities for Surgical Procedures : Vol. 1')
- Easy to maintain

APPLICATION OF C/S HYGIENIC MASTIC

C/S Hygienic Mastic is used to enhance the elastomeric properties of C/S Wallflex and should be applied to all dissimilar adjacent surfaces/materials and any junction that may crack. It is particularly required for use:

- in areas where there is positive or negative pressure (e.g. operating theatres)
 - < 60 Pa - Mastic only
 - > 60 Pa - Mastic and fibreglass reinforcement
- in areas where temperature cycling occurs (e.g. category 3 labs)
- when applying system in wet areas (e.g. bathrooms/shower areas)
- when standard system is enhanced with fibreglass reinforcement



PRODUCT PERFORMANCE

Chemical resistance

C/S Wallflex is highly resistant to a range of Oils (animal/vegetable/mineral); Urine, Sewage and Blood; Salt, Beer and Molasses; Petrol and Paraffin, Diacetone and Isopropyl Alcohol; Ethylene Glycol; low (<10%) Formaldehyde solution; Sulphuric Acid (10%); Hydrochloric Acid (10%); Nitric Acid (10%); Phosphoric Acid (10%); Lactic Acid (25%); Caustic Soda (10%); water and indirect steam. It also inhibits the growth of microbes on its surface including MRSA, E. coli, Salmonella typhimurium and Aspergillus niger.

Scrub and abrasion resistance

Scrub resistance (tested to ASTM D2486) - 4000+ cycles.
Abrasion resistance (tested to ASTM D1044, D3389) - 5000 cycles.

Cleaning

The system will withstand repeated cleaning with alkaline detergents, antiseptics and intermittent mild fumigation treatments without any degradation to surface or performance.

COLOURS AND FINISHES

Finishes

C/S Wallflex is available in an Eggshell finish.

Colours

C/S Wallflex can be supplied in any BS 4800, RAL Classic or NCS 2nd Series colour as standard.

Colours can also be matched to project requirements.

TYPICAL SYSTEM APPLICATION

Application on plaster/plasterboard in dry areas

The substrate should be sealed with one coat of White Primer and C/S Hygienic Mastic applied, where required. One coat of C/S Universal Undercoat and two coats of C/S Wallflex Topcoat should then be applied using Brush and Roller.

Application on other substrates and/or in wet areas (except plastics)

The substrate should be sealed with one coat of Multi Surface Primer and C/S Hygienic Mastic applied, where required. Two coats of C/S Wallflex Topcoat should then be applied using Brush and Roller.

Detailed application instructions are available on request.
For full selection of primers refer to page 12.

OPTIONAL TREATMENTS

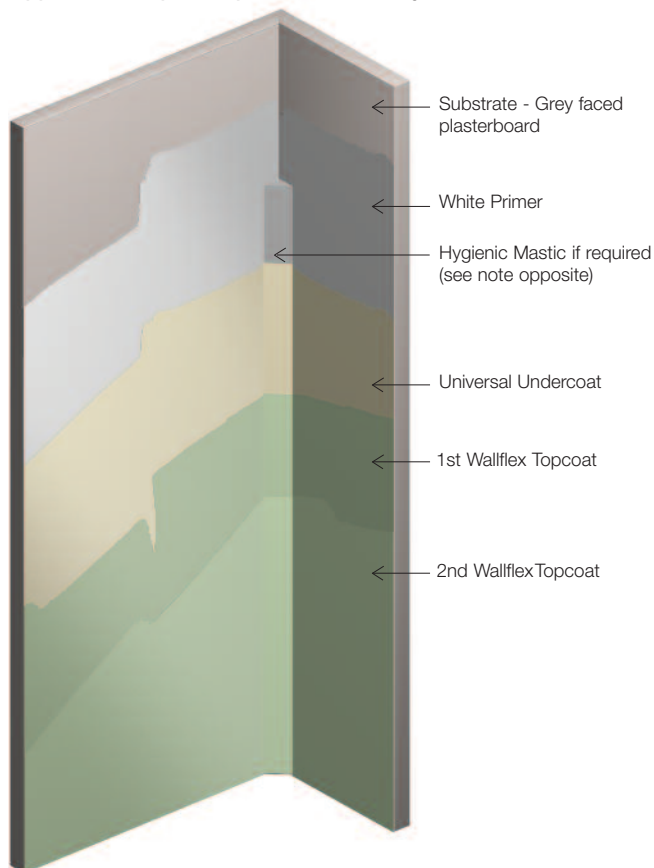
Fibreglass reinforcement (FG)

For added durability and increased abrasion/impact resistance fibreglass reinforcement (Light or Heavy option) can be incorporated into the Wallflex system.

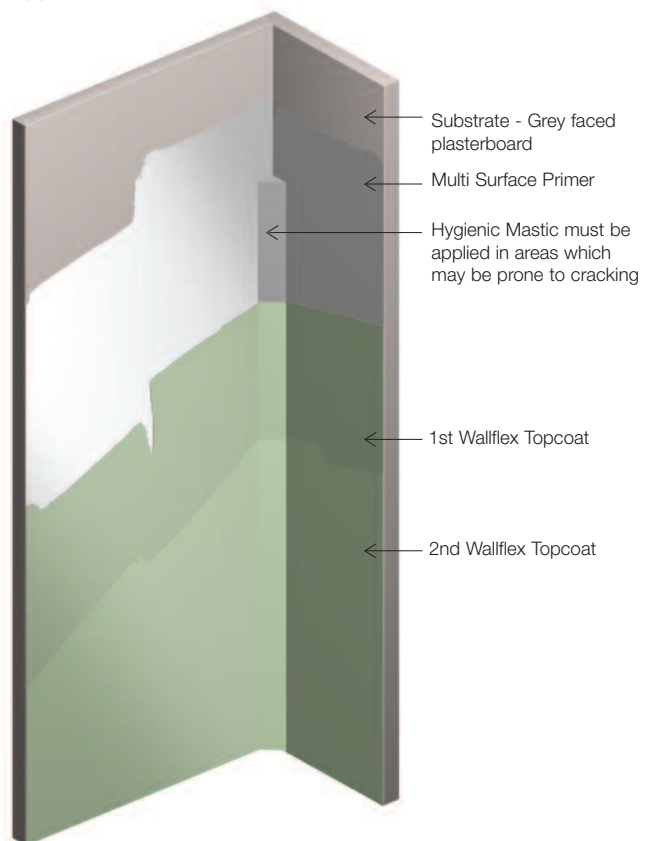
Please note Penetration Primer is recommended for use on plaster/plasterboard when fibreglass reinforced system is used.

For further information refer to page 13.

Application on plaster/plasterboard in dry areas



Application on other substrates and/or in wet areas



Product	Coverage rates* (m ² /ltr)	Drying times in hours* (20°C @ 60% RH)	Pack sizes (ltr)	Recommended build thickness*	
				Wet film	Dry film
White Primer	7-9	2-4	5 and 20 (single pack)	120μ to 140μ	30μ to 40μ
Multi Surface Primer	6-14†	4-6	2.5 and 5 (two pack)	120μ to 140μ	70μ to 80μ
Universal Undercoat**	9-11	4-6	5 and 15 (single pack)	140μ to 160μ	70μ to 90μ
Wallflex Topcoat - Eggshell	8-10	4-6	2.5 and 5 (two pack)	90μ to 100μ	90μ to 100μ

* Coverage rates, drying times and recommended build thickness are per coat.

** Universal Undercoat is only required for application on plaster/plasterboard in dry areas.

† Multi Surface Primer can be used on a variety of substrates and coverage rate will depend on substrate porosity, absorption and texture – see p.12 for further details.