

WriteWall® Information Guide



Making communication clearer.

Whiteboards have been the most popular tool for learning, engagement and innovation for decades. Even with the rise of technological tools, static writing surfaces still remain the most popular for a reason. According to studies from Princeton University and the University of California, taking dictation via hand from whiteboards is more beneficial for retention and understanding than strictly digital applications.

Endless productivity.

Stretching from wall to wall, floor to ceiling - the BACH WriteWall® is a centre point of any modern learning or working environment, which encourages collaborative efforts - in turn, allowing for creation and innovation.

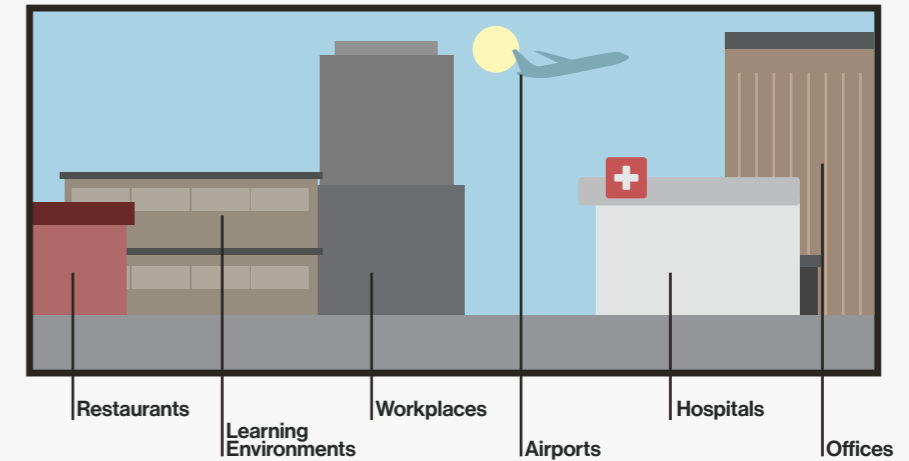
Form follows function.

WriteWall is designed and manufactured for optimum performance as well as offering a modern aesthetic solution, blending into the surrounding architecture. The unique WW2500 wall mounting system allows for a seamless finish between panels that extends only 25mm from the wall.



Applications

WriteWall is applicable across a variety of environments, commercial, industrial or retail. WriteWall accounts for all environments with varying sizes and purposes and allows clear communication of objectives, ideas and designs.



Education

WriteWall® is suitable across all levels of education, from early learning to university. The floor to ceiling configuration enables utilisation for young children, who benefit from its proximity to the ground, as well as its magnetic surface, which fosters imaginative creativity. The size configurations allow for a writable surface that is big enough to serve the important needs of any primary or secondary class or handle a large room full of university students.

Workplaces

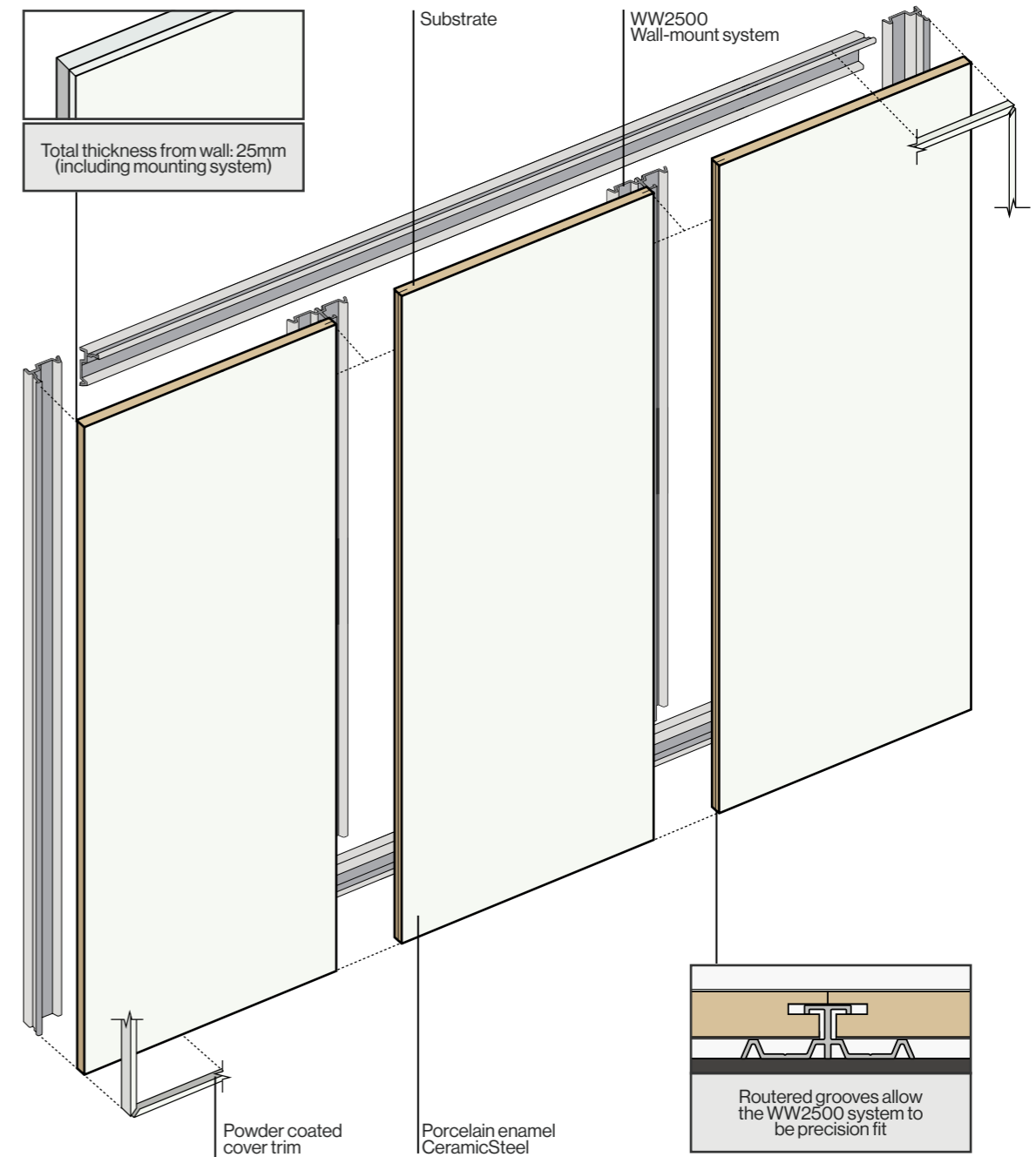
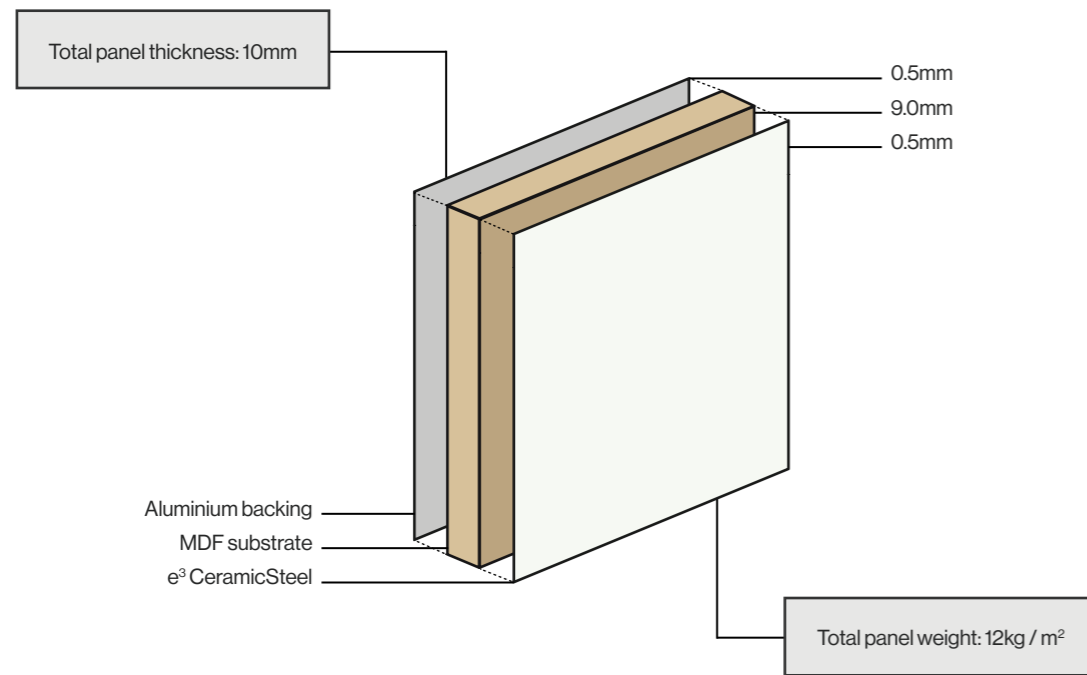
Perfect for areas that require input from large groups of people, WriteWall® promotes productivity and the exchange of ideas in all types of workplace environments. WriteWall® is suited for brainstorming and development in commercial workplaces such as offices, as well as the objectives, directives and plans that come with fast-paced and high pressure working environments, such as restaurants and retail stores.

High Traffic Areas

The WriteWall® system's flexibility in configuration and size makes it appropriate for large scale projects in areas with high amounts of foot traffic. WriteWall® creates the opportunity to display temporary information to large groups of people while also serving aesthetically as internal cladding. This makes it ideal for use in airports, hospitals and public transport terminals.

WriteWall Breakdown

The BACH WriteWall® is built using premium materials that are designed to last the test of time. The Whiteboard surface is comprised of high-quality porcelain enamel CeramicSteel which ensures superior stain and bacteria resistance, as well as durability and magnetic capability. The porcelain enamel is laminated to an MDF substrate which strengthens the board and ensures a smooth writing surface. The aluminium is laminated to the back which acts as a counterbalance and eliminates the possibility of surface warping over time. This guarantees a strong, smooth surface for the lifetime of the product.



e³ CeramicSteel

e³ CeramicSteel is a high performing surface. The surface is produced by a continuous coil coating process, consisting of a long coil of sheet metal that is covered with a thin enamel coating. The ceramic finish is heated and fused to the sheet metal at a temperature that ranges between 700-900 °C. These components are vital in creating a surface that is not only durable but resistant to fire, impact, scratching and acids.




Built from the ground up.

The BACH WriteWall® is installed using our unique WW2500 wall-mount system. The brackets are mechanically fixed to the wall to create a precise and level surface for the whiteboard panels. Once the brackets are installed, the CeramicSteel whiteboard panels slide in through slots in the substrate, allowing for a seamless join. The specially designed trim fits around the edges of the boards, concealing the brackets and any evidence of the installation process.

WriteWall surface options




WriteWall® is offered in multiple surface colours and finishes. Choose from Ultra Gloss for the best erasability and marker contrast or Low Gloss for projection systems and high glare environments (Only available in selected colours). WriteWall® is also offered with a Hygienic Surface finish, containing silver ions for viral and bacterial protection.

Surface colours

	White Finish: Ultra Gloss, Low Gloss or Hygienic 6100U, 6100L, HC6100
	Light Grey** Finish: Ultra Gloss only 6101U
	Beige** Finish: Ultra Gloss only 6102U

*Minimum order quantities apply.
†Extended lead times may apply.







Trim colours

	White Satin White Dulux
	Black Satin Black Dulux
	Any colour in the Dulux® range Available upon client request


WriteWall surface certifications

WriteWall® is made with high-quality vitreous porcelain enamel e³ CeramicSteel that is guaranteed to be resistant to fire, chemicals, stains and scratches. All surfaces are rigorously tested by material engineers to ensure they retain their writing and erasing qualities and maintain their gloss variance and colour consistency for the lifetime of the product.

Standard Surface

	Fire Resistant Specification: EN 13501-1 +A1 WriteWall surface: Incombustible - Class A1
	Graffiti Resistant Specification: PVNV 41.822 WriteWall surface: Excellent (E94≤ 1.5)
	Stain Resistant Specification: PVNV 41.822 WriteWall surface: Excellent (E94≤ 1.5)
	Chemical Resistant Specification: PVNV 41.822 WriteWall surface: No change
	Scratch Resistant Specification: ISO 15695 WriteWall surface: Min. 7 N
	Surface Warranty Specification: PolyVision Forever Warranty WriteWall surface: Lifetime of the product

Hygienic Surface

	Bacteria and Virus Resistant Specification: EN-ISO 22196:2011, ISO 21702:2019 Hygienic WriteWall Surface: 75.0%-99.9% elimination
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Hygienic Surface

BACH WriteWall® is also offered in a white Hygienic gloss option, with silver ion particles embedded into its surface which acts to keep the surface virus and microbe-free over the lifetime of the product.

Eliminates 99% of bacterial and viral activity within 24 hours or less.

Quality meets safety.

The BACH Hygienic WriteWall® combines the quality of porcelain enamel with the added benefits of an advanced antimicrobial surface that targets viruses such as COVID-19.

Safe collaboration.

Since the onset of the COVID-19 pandemic began, public health and safety has become a bigger priority than ever before. The BACH Hygienic WriteWall® surface aids in creating a safer environment to continue and encourage group innovation, creation and learning.

Backed by years of science.

For thousands of years, silver has been known to possess antimicrobial properties. The BACH Hygienic WriteWall® surface contains silver ions that are released over time to actively keep the surface free from viruses and bacteria. This makes it ideal for use where hygiene is of the utmost importance.

Antiviral & Antibacterial Properties

PolyVision Hygienic surfaces are antimicrobial and tested in accordance with ISO 22196-2011 and ISO 21702-2019 by a 3rd party lab. Results showed more than 99% reduction of tested bacteria in 24 hours and 99% reduction of tested viruses in 12 hours.

99%

Bacteria

85%

Coronavirus 229E

99%

COVID-19

75%

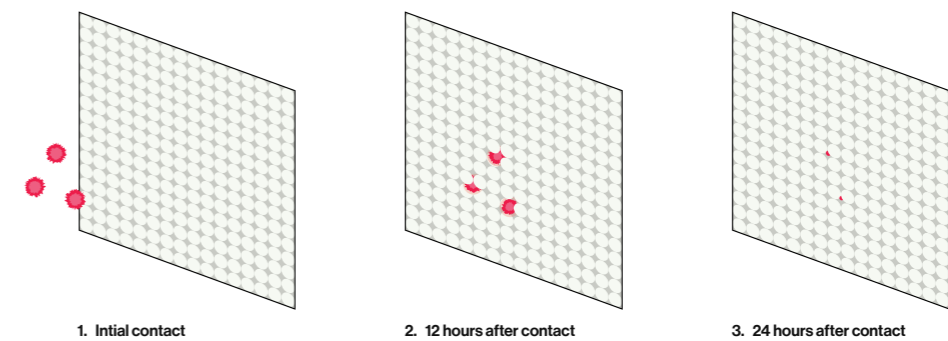
Feline Calicivirus

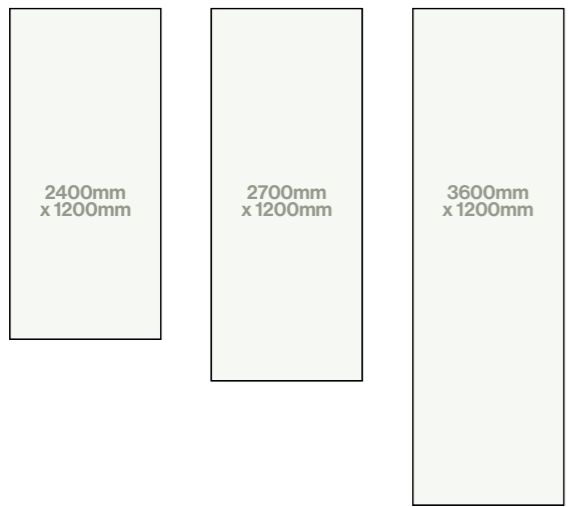
80%

Influenza A H3N2

Silver Ion Elimination Process

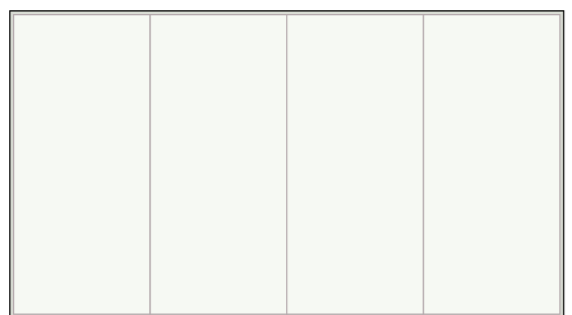
The silver micro-particles embedded in the BACH Hygienic Surface slowly release silver ions over time. As bacterial and viral cells come into contact with the surface, the silver ions work to penetrate the cell walls and disrupt the respiration of the cellular membrane. Reproduction is inhibited as the ions attach to the cell's DNA, cleaning the surface within 24 hours.



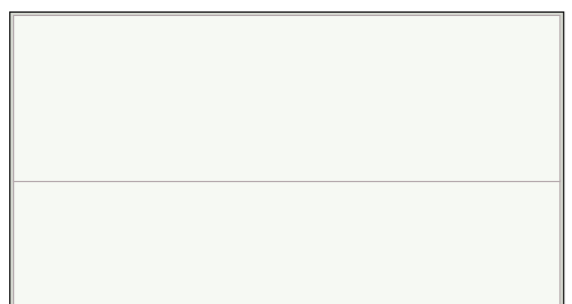


Standard Panel Sizes

BACH WriteWall® panels are available in three standard sizes, allowing for configurations of up to 3.6 metres tall. Bespoke panel sizes are available upon request, in order to create a solution for a wide array of applications.



Vertical configuration



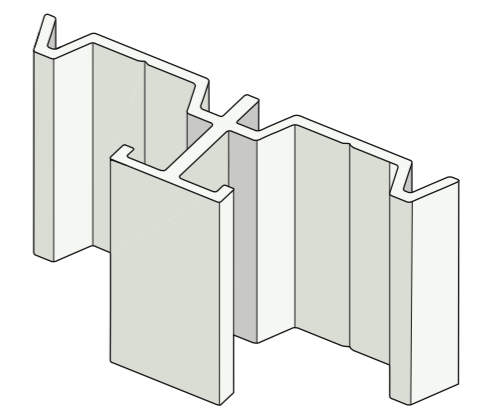
Horizontal configuration

Panel Configurations

The flexibility of WriteWall® allows for the panels to be configured vertically or horizontally, depending on client preference or architectural intent.

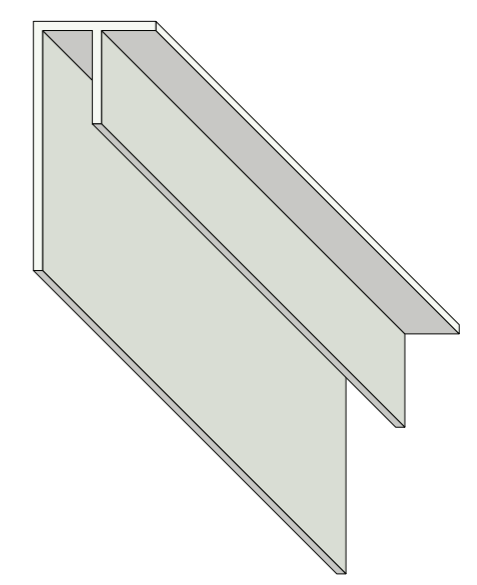
WW2500 Mounting System

The specially designed WW2500 aluminium wall mounting system is what allows for millimetre perfect placement. After the system is mounted to the wall, the whiteboard panels simply slide through, creating a precise join that is seamless. The mechanical fixing and substrate ensures the panels will stay secured and level over time and resist bowing or warping.



WriteWall® Trim

The WriteWall® trim is also specifically designed for use with the WW2500 wall mounting system. The design allows for the trim to be simply snapped into place at the end of the installation, concealing the edges of the panels and the WW2500 system.



Technical Surface Specifications

PolyVision CeramicSteel porcelain enamel surfaces are tested rigorously by engineers and material scientists to the highest international standards. CeramicSteel surfaces are tested for variables such as impact, acid, fire and wear resistance in order to guarantee the best possible quality and performance.

PROPERTY	SPECIFICATION	VALUE
1. Thickness enamel top coatings (typical)	ISO 2178 / ASTM B499	±105 µm
2. Steel thickness		0.32 or 0.35mm
3. Thickness back side enamel coatings (typical)	ISO 2178 / ASTM B499	±40 µm
4. Total thickness		0.50 ± 0.05mm
5. Weight (typical)		ca. 2.9 to 3.2 kg/m ²
6. Colour deviation from standard	ISO 7724 / ASTM D2244-02	ΔE*94 = 1.5 max
7. Gloss (typical)	ISO 2813 / ASTM D523 20° (ISO 2813 / ASTM D523 60°: indicative)	70 (+10/-5) GU (97 GU)
8. Waviness (Byk-Gardner Wave Scan 5+)	Wd (3-10mm)	Max. 20
9. Surface hardness	EN 101	Min. 5
10. Scratch resistance		Min. 7 N
11. Pencil hardness	ASTM D-3363	No scratch
12. Wear resistance	ASTM C 501 (Abrasive S 33/1kg/1.000 revs)	Max 0.1g
13. Impact resistance	ISO 4532 (< 2mm)	Min 20 N
14. Cold acid resistance	ISO 28706-1-9 / EN 14483-1-9	Min. A
15. Solvent test: toluene, methylethelketone, ethylalcohol, petroleum, grease, oil, ethylacetate or xylene	Dip 25°c, 1.000 hrs.	No change
16. Fire resistance	BS 476-6 / BS 476-7	Incombustible - Class 0
17. Colour stability	ASTM C 538	No colour change
18. Dry-erasability	PVNV 41.803	Excellent
19. Erasability of water based markers with water		Excellent
20. Erasability of permanent markers with methanol		Excellent
21. Durability	PNV 41.809 - Rel. Gloss change Dry erasability	RG < 30% Excellent
22. EN 14864 / ISO 28762: Vitreous & porcelain enamels enamel coatings applied to steel for writing surfaces - specification	EN 14864 / ISO 28762	Fulfilled
23. European Enamel Authority Certified	EEA 7.17	Fulfilled
24. ISO 9001 Certified	ISO 9001	Fulfilled
25. ISO 14001 Certified	ISO 14001	Fulfilled
26. OHSAS 18001 certified	OHSAS 18001	Fulfilled
27. MBDC Cradle to Cradle certified	Cradle to Cradle Silver	Fulfilled
28. PEI 1002 Compliant	PEI 1002	Fulfilled

The certifications above are tested by PolyVision for the e³ CeramicSteel surface only. The entire WriteWall product has not been tested for any of these certifications.

BACH Commercial
6 Clare Street
Bayswater, VIC 3153

enquiries@bach.com.au
1300 609 400
bach.com.au



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