

MICAM

WALL Lining System™ 2.0

Internal Wall Lining System



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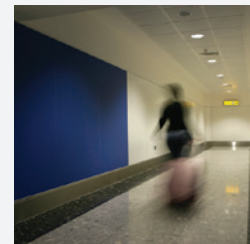


Features

The **MICAM HORIZON™ 2.0** internal wall lining system comprises of a unique high performance Low Smoke glass-reinforced laminate (LSM21) with an anodised aluminium panel framing system which can be applied in a horizontal or vertical orientation.

The system exhibits outstanding reaction to fire and response to blast providing ASIAD compliance.

Easy to install, the system meets the performance, cost, flexibility and durability requirements of the airport environment and high traffic public spaces.



Features

Blast Properties **HORIZON™ 2.0** internal wall lining complies with ASIAD bomb blast requirements. MICAM LSM21 panels offer safe break properties and do not shatter producing hazardous fragments.

High Impact Resistance MICAM LSM21 panels provide outstanding impact resistance so trolley rail protection is not required in most normal traffic areas.

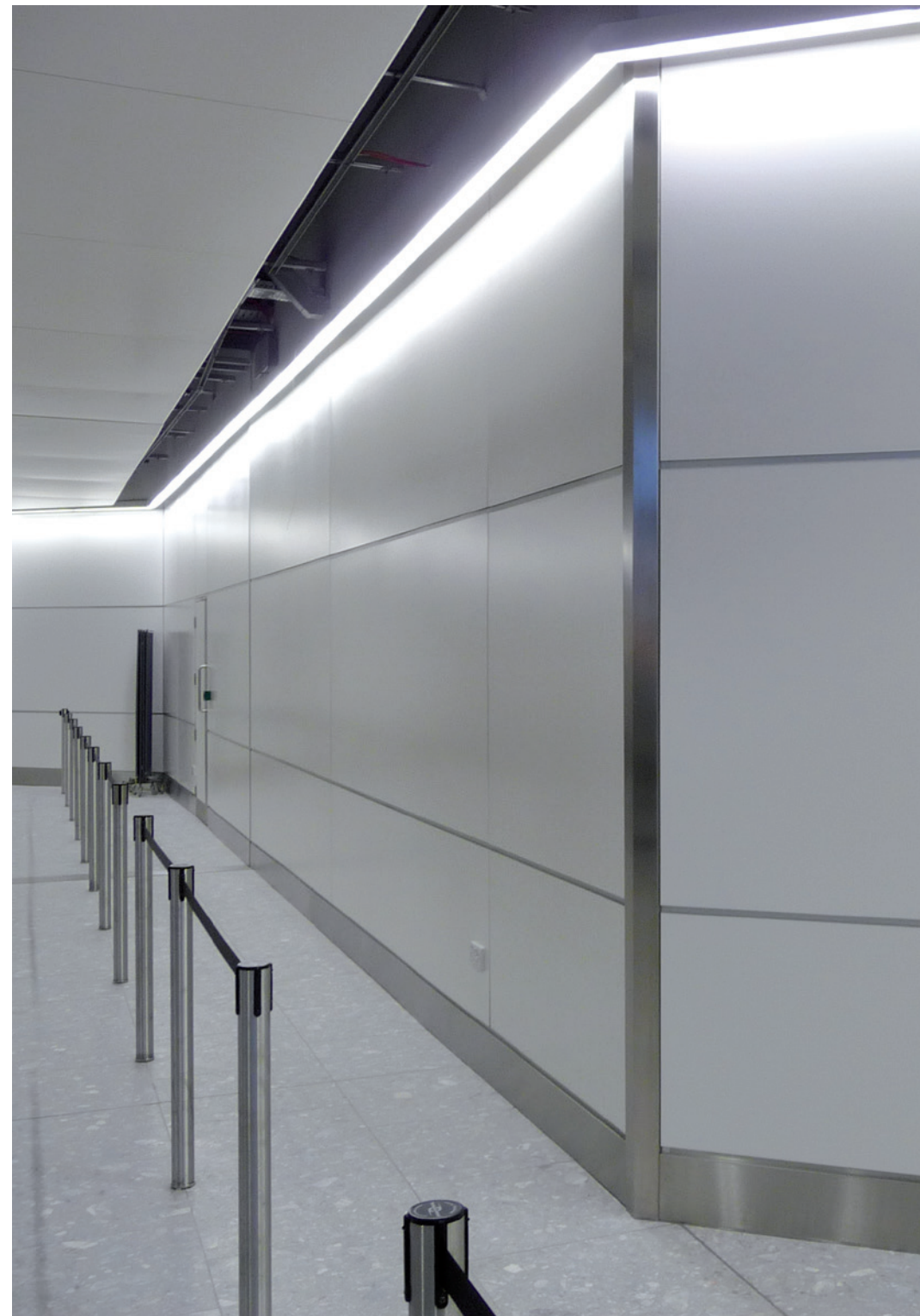
Excellent Fire Performance Class O material (England and Wales Building Regulations). Complies with the requirements of EN 13823 Euro Class B

Removable MICAM LSM21 panels can be individually removed if access to services is required.

Panel Orientation **HORIZON™ 2.0** wall lining is available in either a vertical or horizontal orientation providing a high degree of flexibility and design options.

Graffiti and UV Resistance **HORIZON™ 2.0** Internal wall lining provides long term stability of panel aesthetics. MICAM LSM21 Panels can be easily cleaned with water based cleaning materials.

Graphic Overlay MICAM LSM21 panels provide a suitable substrate for application of short or long term graphic overlays.



Specifications

Panel

Material: MICAM LSM21 laminate

Finish: standard white or special colours on request



Panel edge trim: anodised aluminium with silver satin AA10 finish on vertical edges

Edge trim width: 1.5mm

Max panel size: CNC machined
1200mm x 3000mm wide for horizontal installation
1200mm x 2400mm high for vertical installation

Panel thickness: 5mm for LSM21 laminate excluding framing

Panel weight: 27kg for 1200mm x 2400mm standard vertical panel

Installed panel depth: 9mm from panel front face to substrate

Fixing Method: mechanically supported by upper and lower aluminium tracks in conjunction with adhesive bonding

Tracks

Fixing: The **MICAM HORIZON™ 2.0** internal wall lining system utilises mechanical fixing of the anodised aluminium frame components

Upper and lower tracks

Material: anodised aluminium silver satin finish AA10

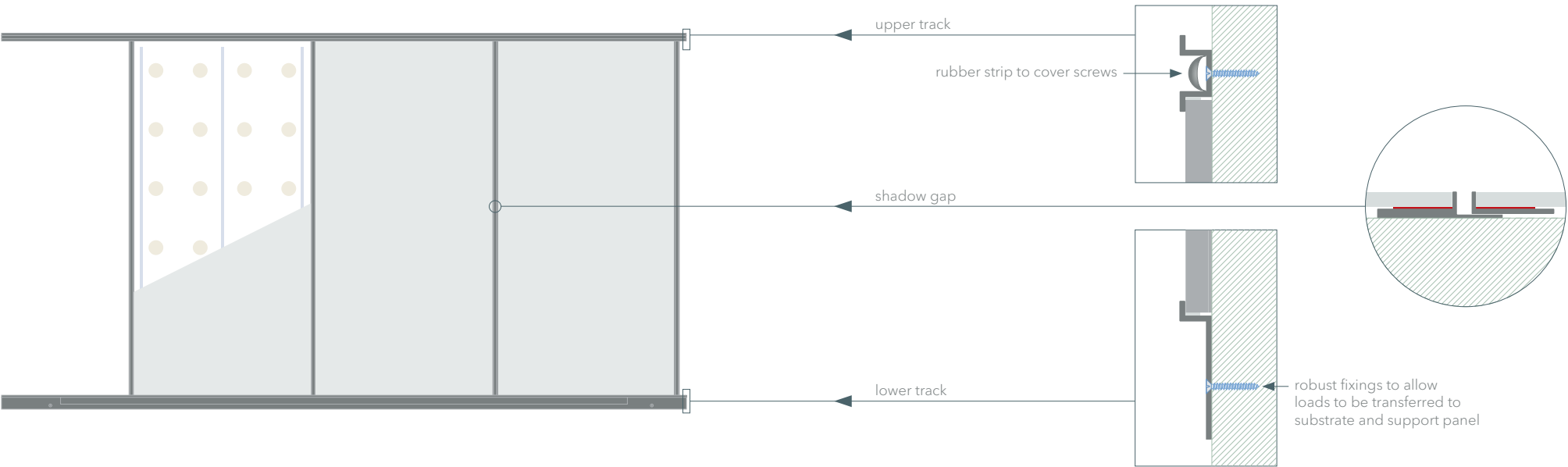
Length: supplied in 4m lengths, cut on site as required

Fixing method: mechanically screwed to substrate

Vertical shadow gap

Material: anodised aluminium silver satin finish AA10

Gap width: typically 5mm; installed from 0mm - 10mm gap feature incorporated into the panel edge trim



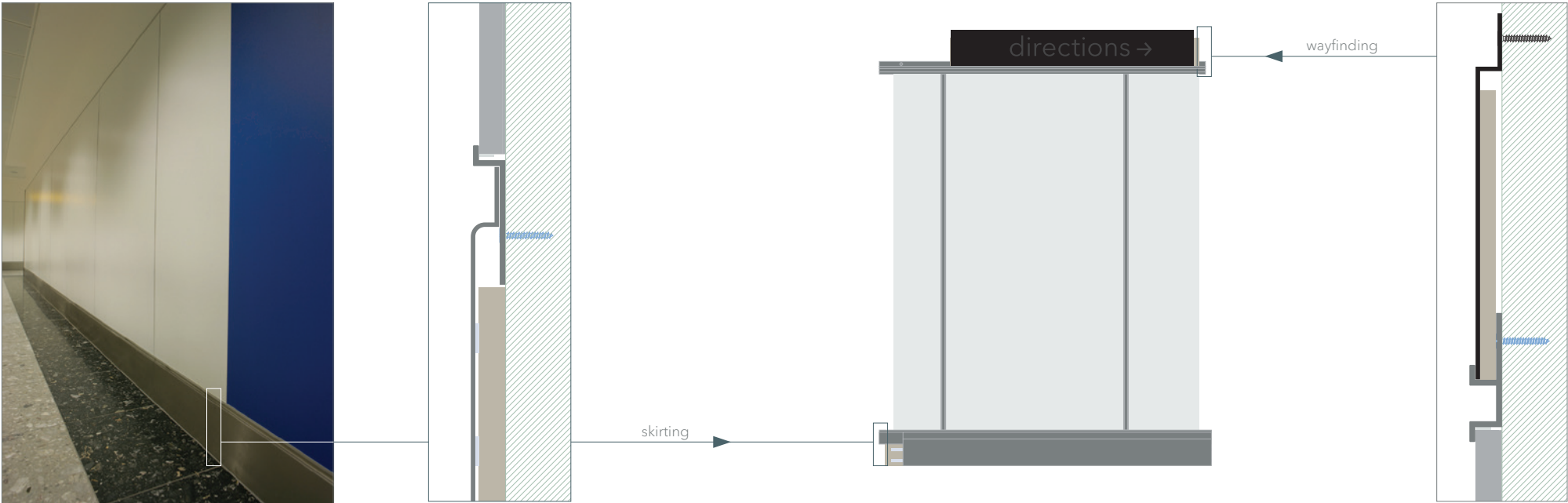
Specifications

Skirting

Material:	stainless steel grade 304 with polycoated front face
Thickness:	1.5mm
Finish:	240 grit in horizontal direction
Height:	200mm with 20mm shadow gap on top, alternative heights can be specified
Depth:	11mm from front face of skirting to substrate
Length:	2.5m length - cut to suit requirements
Backing:	flame retardant class 1 formaldehyde-free MDF
Bonding:	tape for bonding stainless steel to MDF

Wayfinding Panel

Material:	aluminium facia bonded to plywood
Thickness:	1.5mm aluminium 4mm plywood
Finish:	powder coated
Height:	heights can be specified
Length:	2.5m length - cut to suit requirements
Fixing:	mechanical screw fix



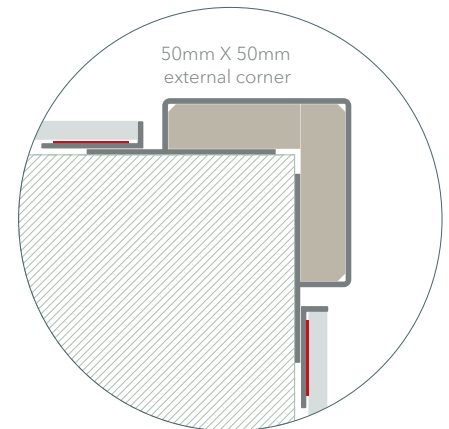
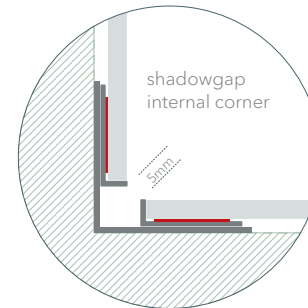
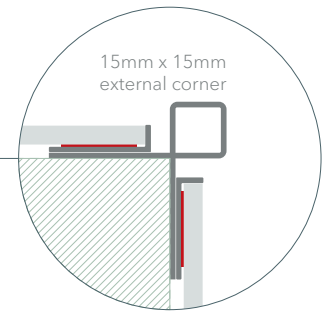


Specifications

Corners

The **MICAM HORIZON™ 2.0** internal wall lining system employs a range of stainless steel corner posts which offer impact protection and are available in a range of sizes for external and internal angles. These are provided with an integrated shadow gap detail.

15mm X 15mm external corner



Quality and Service

The **MICAM HORIZON™ 2.O** wall lining system is manufactured under MICAM's quality management system which is fully accredited to ISO 9001:2015

The **MICAM HORIZON™ 2.O** wall lining system is pre-assembled off site in a controlled environment to ensure on-going product stability and is supplied in kit form to minimise on-site installation time. Training support is given to system installers both prior to and during the installation

The design rights of the **MICAM HORIZON™ 2.O** wall cladding system outlined in this document belong to MICAM Limited.

MICAM Limited is a leading European manufacturer of advanced composite materials and wall cladding systems. We manufacture speciality laminates and prepregs and design and manufacture components, complete systems and assemblies based on these materials. Our products are used in electrical, mechanical and construction applications.

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