



↓ Trains

OVERGROUND

# Transport Solutions

Inspiring Great Spaces™

**Armstrong**<sup>®</sup>  
CEILING SOLUTIONS



### ■ Testimonial

“The Armstrong B-H 300 System is Section 12 compliant which was a critical performance criteria for the East London Line project. It is versatile and combines functionality with stylish simplicity. It was easy to install, allowed for integration of lighting and speaker systems, the security clips meant the tiles were held down securely and were able to withstand wind pressure. We are very pleased with the final finish”.

*Kenny Smith, Orange Apple Ltd*

**East London Line Stations (UK)  
B-H 300 with custom C profiles,  
made to measure bulkheads and speaker bezels**

## ■ The challenge

An accessible plain white ceiling tile was required for the platform areas at Mile End station.

A large void behind the proposed ceiling created a design dilemma.

A standard 600 x 600 ceiling could not be specified, as an access tower could not fit within the module to reach services at the top of the void.

## ■ The solution

Armstrong B-H 300 Easy planks were specified as they met London Undergrounds strict technical requirements. For access, the tiles could be pushed along the C-profile grid and hung vertically.

The Extra Microperforation with fleece provided good acoustical absorption but also left a relatively plain white surface for ease of cleaning.

The ceilings also needed to resist the wind pressures created when trains came into and left the station. A customised security clip was developed to keep the planks held down to the C-profile grid.

A custom bulkhead was created to frame the platform edge and disguise the support structure of the ceiling.

In the ticket hall and passage way areas the very low floor to ceiling height needed extending.

Some adaptations to the standard T-Clip F shaved off some crucial mm.



### Mile End Tube Station (UK)

**RAL 9010 B-H 300 Easy Extra Microperforated Planks with fleece**

**RAL 9010 T-CLIP F Extra Microperforated Planks with fleece**



### ■ Paddington Station, London

Some 300m<sup>2</sup> of Armstrong's B-H 300 linear perforated metal plank system were installed with a low-smoke acoustic fleece on Paddington's low-level concourse. This was complemented on the high-level concourse, north entrance and taxi deck by 1200m<sup>2</sup> of Armstrong's V-P 500 vertical linear metal baffles in bespoke demountable 15kg modules of 1200 x 600mm to ease installation and maintenance as well as accommodating an anti-vermin and bird mesh panel. The same V-P 500 aesthetic was carried through to platforms 15 and 16 but here the system was a lighter aluminium extrusion rather than steel and the 500m<sup>2</sup> baffle modules using a bespoke grid with locked access panels were also angled at 45° over the tracks to help deflect noise away from the walkways.

**Paddington Station (UK)**  
**B-H 300 Planks with low smoke fleece, V-P 500 Metal BAFFLES**  
**with custom bulkheads**



**Adler Railway Station (RU)**  
**Custom Curve R-H 200, F-L 601, R-CLIP, W-H 1100**



Railway Station in Terespol (PL)  
CELLIO C16 RAL 9006, Metal Tegular 2,  
Mineral Canopies Rectangular



## ■ Testimonial

“The curved ceiling is the highlight of the entire complex. All materials achieved the quality of the project and the finish is world class. The vaulted ceiling even won an international award, the highest Cisca award. Armstrong was heavily involved in the design process and also engaged in technical clarifications. As one of the leading manufacturers of metal ceiling and walls, Armstrong is capable of supplying large quantities at required quality meeting program deadlines”.

*Bruce Neave, project director, Murray & Roberts*



**Dubai Airport (AME)**  
**Ceiling: Metal R-H 200 Custom Plank System**  
**Walls: Custom Metal W-H 1100 Walls Unperforated**  
**and with Rv 2532 Perforation in Custom RAL 9010**



Nice Airport (FR)  
Metal Concave Canopy



**Kazan Airport (RU)**  
**ULTIMA, F-H 600, F-L 601, CELLIO**



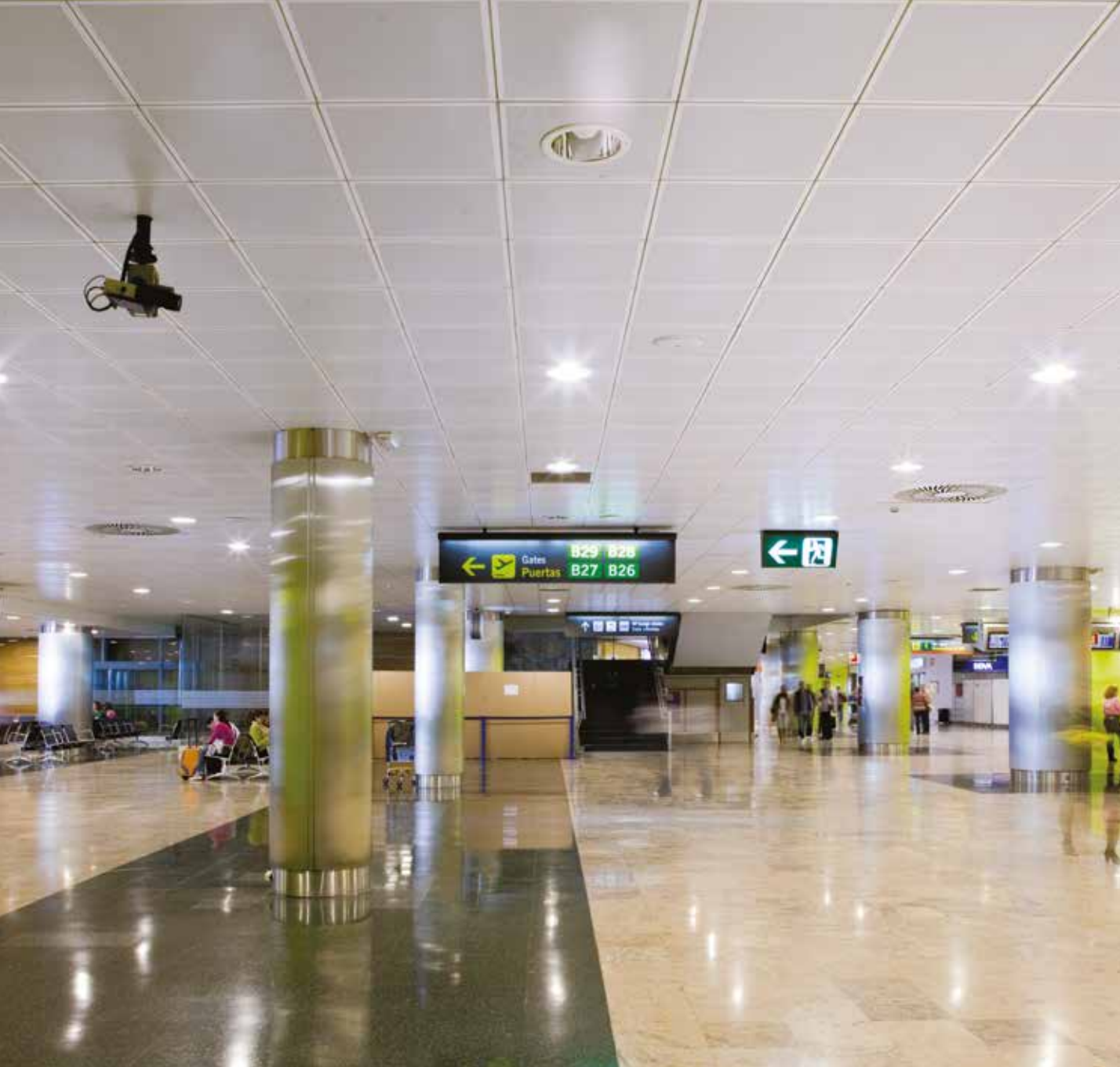
Airport in Wroclaw (PL)  
Custom Metal BAFFLES V-P 500



Nikola Tesla Belgrade Airport (RS)  
CELLIO C64, T-CLIP F Perforated,  
LAY-IN MicroLook Perforated, LAY-IN Board Perforated



**Barcelona Airport (ES)**  
**HOOK-ON R-H 200, Colour RAL 2010,**  
**perforation Rd 1522**



**Barajas Airport (ES)**  
**AXAL Vector Perforated**



**Wolverhampton Bus Garage (UK)**  
**Square Edge Microperforated Trapezoidal Metal Planks with fleece**



**HIB Petrol Gas Station (CES)  
Special AXIOM and Printed Metal Tile Exterior Solution**



**Gatwick Airport (UK)**  
**Metal AXAL Vector Extra Microperforated with fleece,**  
**DUNE Tegular, AXIOM Transition, DGS**



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