

## PRODUCT SPECIFICATION (Rev.06)

18 MAR 08

**ENTECH® SERIES 1453-PA-C1 ACOUSTIC CLADDING AND CMS PANEL SYSTEM**, consisting of 40mm thick Lameekoust® Delta:1 flat or curved sound absorbent facing panels, from 2.0mm aluminium, panels being curved as required to the tunnel contour, the panels being perforated with 20 x 6mm obround indented slots punched at 27 x 13mm centres, 32% nominal free area (Registered Design No. 3015771), with an inert, non-combustible, vermin and mould resistant, low bio-persistence, bio-soluble, sound absorptive infill with aluminium micromesh facing and a rear perforated mill-finish aluminium backing tray fixed to the edge of the panel flanges, the Independent Certification of the acoustic, fire, and smoke performance of the panels being as the Lameekoust® Delta:1 Product Data Sheet No: 024-002:D, the panel system in a typical tunnel-mounted configuration providing an enhanced octave band sound absorption characteristic of 0.90 at 125hz, 0.90 at 250hz, 0.95 at 500hz, 1.00 at 1000hz, 1.00 at 2000hz and 0.95 at 4000hz, the basic system in mill aluminium complying with the requirements of BS 476 Part 6 Fire Propagation, BS 476 Part 7 Class 1 Surface Spread of Flame, BS 6853:1999 D8.4 Category 1A, and with London Underground Engineering Standards Toxicity Test, when required, all visible external surfaces of the panels being finished, in a polyester powdercoat or similar subject to testing and validation of the complete system for compliance, the panels that provide access to cable trunking or services being fixed with continuous stainless steel hinges to custom-punched and fabricated support rails at 1000mm nominal centres, static panels being similarly fixed, the rails being supported by roll-formed channel rails or curved hoops at 1500mm nominal centres, the access panels being secured in the closed position with Entech multi-lobe security-head quarter-turn latches, the support channels being fixed to the tunnel substrate in the standard configuration with M10 resin anchors, or with increased size anchors for specific locations as specified, overall nominal system depth 300mm, there being provision for reinforced un-perforated non-acoustic fixed infill panels between the hinged access panels to support Signage, PA Speakers, CCTV Cameras, Lighting Units, and Visual Electronic Information Display Units, and similar, all being to detailed design and approval.