

## SPECIFICATIONS (REV.04)

JUNE 2008

**ENTECH SERIES 1458 CABLE MANAGEMENT SYSTEM**, consisting of pressformed curved facing panels, from 1.6mm zinc coated mild steel, curved to the tunnel contour, all visible external surfaces of the panel being finished in Entech High Quality LU Compliant Polyester Powdercoat RAL 9016X White 30 % gloss, or an alternative Compliant finish as specified, the panels being fixed with continuous stainless steel hinges to a support framework, the support framework being fabricated from hot-dipped galvanised mild steel channel sections (Unistrut or similar) cut and welded and protected with zinc-rich paint, the panels being secured in the closed position with ¼-turn budget-pattern locks and being fitted with Lameek calibrated stainless steel air-damper struts, the A-frames being fixed to the tunnel substrate with M8 resin anchors selected after pull-out tests on the existing tunnel lining, there being provision for lipped press-formed cut-outs for public address speakers and lighting units (speakers and lighting units supplied and installed by others) together with provision where required for Entech Series 1490 Multi-Compartment Integral Cable Trunking, all being to detailed design and approval.

**ENTECH SERIES 1458:PX CMS ACOUSTIC PANEL SYSTEM**, consisting of standard panels from 1.5 mm zinc coated mild steel, perforated with 20 x 6mm obround indented slots @ 30 x 16mm centres, 23% 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 visible outer surfaces of the panel being finished in Lameek LP3 modified polyester powdercoat RAL 9016X White, the Independent Certification of the acoustic, fire, and smoke performance of the panels being as the Lameekoust<sup>®</sup> Delta:3A Product Data Sheet No: 024-002:D3 (Rev.01), 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 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, and with London Underground Engineering Standard 2-1001-002 Section 5.2.3 -Toxic Fume Emission, the panels being either hinged for cable trunking access or being permanently fixed as required, all being to detailed design and approval.

**ENTECH SERIES 1458:A CABLE MANAGEMENT SYSTEM**, as for the Series 1458 CMS but from 2mm thick aluminium, polyester powdercoat finish.

**ENTECH SERIES 1458:PAX ACOUSTIC PANEL SYSTEM**, as the Entech Series 1458:PX CMS but from 2mm thick aluminium, polyester powdercoat finish.