

Product Description

The ALTAC Aluminium Mat System is a fixed frame matting consisting of 1" wide inserts that scrape, trap and hold dirt and soil for high traffic application, keeping building entrances clean and dry. Designed with flexible joints for efficient roll-up, and protected with a noise reducing base, the ALTAC Aluminium Mat System can be customized to various shapes and sizes.

Key Features

- Superior and classy aesthetics
- Excellent dirt and moisture holding and removal
- Designed with a flexible joint system for easy roll-up, allowing easier cleaning and maintenance
- Protected with a sound dampening base
- Choice of durable carpet or rubber inserts for different needs

Physical Properties

Property	Value
Alloy Grade	6063
Plate Temper	T5
Plate Colour	Mill finish and natural anodised
Length	6 metres
Mat Insert Colours	Carpet Insert: Black, Grey, Brown, Red
	Rubber Insert: Black

Mat Specifications

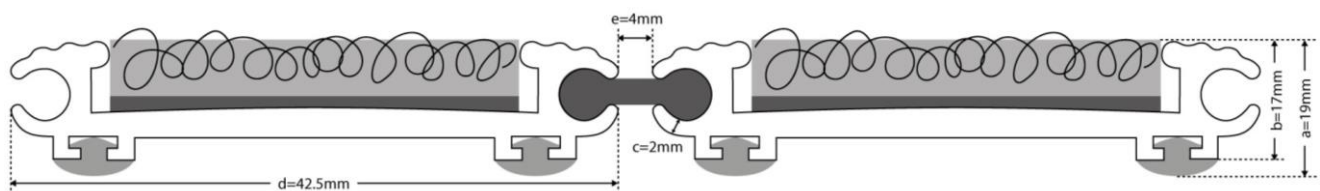


Figure 1: Cross section of ALTAC Aluminium Mat System

Area	Dimensions
Total mat height (a)	19mm
Aluminium profile height (b)	17mm
Aluminium wall thickness (c)	2mm
Aluminium profile width (d)	42.5mm
Space between 2 profiles (e)	4mm

**All values stated are nominal.*

Note

The ALTAC Aluminium Mat System is installed to the recess-well size with tolerances as follows:

- Panel direction: -4mm, +0mm
- Traffic direction: -4mm, +0mm

Mechanical Properties

Property	Value	
Tensile Strength	At least 140 MPa (20,000 psi)	Up to 13mm thick
	130 MPa (19,000 psi)	From 13mm thick
Yield Strength	At least 97 MPa (14,000 psi)	Up to 13mm thick
	90 MPa (13,000 psi)	13 to 25mm thick
Elongation	8%	

Product Performance

Characteristic	Test Method	Sample Used	Results
Durability	10,000 passes of rolling load across the aluminium floor mat	250kg test load, Ø6" x 2" wheel size, 10,000 test passes	No visible damage on aluminium insert
Slip Resistance	SS 485: 2001 – Specification for Slip Resistance Classification of Pedestrian Surface Materials, Annex A & B	400mm x 400mm sample using a Pendulum Friction Tester	V classification achieved; very low contribution to slipperiness

Cleaning & Maintenance

Daily:

- Vacuum the ALTAC Aluminium Mat, especially the mat inserts.

Periodic:

- Roll the ALTAC Aluminium Mat from one side to expose half of the recess-well for vacuum cleaning.
- Repeat from the other side of the ALTAC Aluminium Mat to vacuum remaining half of the recess-well.
- The ALTAC Aluminium Mat does not need to be removed from the recess-well during maintenance.