



ALUMAT ENTRANCE MATS - DRAINAGE INSTALLATION GUIDE

Overview

Alumat have designed three different types of aluminium and infill entrance matting. Each type is suited to dealing with different volumes of incoming water.

Type 1. Extrusions and textile Infills.

Used where some water entering from outside needs to be contained. In such cases, Alumat 10 I, Alumat 10W, or Alumat 15 I, will be adequate.

Type 2. Extrusions, textile infills and closed drain channels.

These mats incorporate alternating closed drain channels. Water cannot pass through the mat, but the channels can contain some surface water away from shoe contact to effectively trap more water than mats with just textile infills. These mats include Alumat 10D, Alumat 10WD, Alumat 15D, and Alumat 15WD

Type 3. Extrusions, textile infills and open draining channels

These mats are designed to channel surface water under the mat where it can be collected and discharged. High volumes of continuously flowing water can be collected and removed this way.

The mats that are designed for this use are Alumat 10DO, Alumat 10WDO and Alumat 15DO.

Surface water can be discharged under the mat, by one of two methods -

1. Through multiple spaced drain holes under the entire mat surface. To function, the mats are placed on a permeable grating that discharges into a sump that in turn, discharges to a storm water disposal system. This enables the maximum amount of water collection and disposal. [Click here to see drawing of a typical installation.](#)
2. Alternatively a single strip drain line can be installed in the mat to channel surface water on the mat to a single line running from front to back where the water will pass through, to beneath the mat. To function, there would need to be a single 40mm drain point centrally located underneath the mat's water disposal strip of the mat and a narrow, shallow chase cut or formed in the base to align with the water disposal channel of the mat. [Click here to see drawing of a typical installation.](#)

In practice, a 40mm waste pipe can be placed in any central convenient location in the mat base, the chase can then be cut in the existing concrete base, or formed in a finishing screed, and we will make the mat so water discharges at the precise location required.

INSTALLATION

Usually the collection sump or channel will need to be waterproofed and fall to an outlet where storm water can be disposed of.

The height of the substrate should be such that it will bring the entrance matting, up to the adjacent flooring height, to avoid any tripping hazard. The perimeter edging should be finished in advance of the mat installation.

To avoid any raked-cut edges, it is important that the walk-on and walk-off edges are parallel (of the same distance) The surface of the grating needs to be adjusted so the surface is flat and level. This is important for the mat to sit properly

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www.alumat.co.nz - info@alummat.co.nz - Post PO Box 89-018, Torbay, Auckland 0742

Phone 09 473 1602 - Phone 0800 ALUMAT