

Aluminium bar and wide infill entrance mat for heavy duty use.

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### Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



ALUMAT confirms that this minimum level of assurance has been met or exceeded by the following:

Universiteit Gent

[Prof. Dr. Paul Kiekens - 14-456A](mailto:Paul.Kiekens@UGent.be)



#### Company Contact Details



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## Technical Statement

### Product Description

Superior materials and design make Alumat 10 W the best choice for intense wear entrance matting. Similar to the 10 I, the 10W has wider infills and a heavier duty frame. Made from exterior grade magnesium alloy and anodised it is made to last and stay looking good. Infills, manufactured by Vebe in the Netherlands, do not shrink back and come in a range of colours. The infills not only absorb moisture from footwear, but are ribbed to assist dirt removal. Solid construction with the entire base rubber lined with no air cavities ensure a 'clatter-free' operation on level surfaces.

An alternative, Alumat10 WD is a variation of this mat with the inclusion of water drain channels.

### Scope of use

Suitable for busy commercial entrance ways, including schools, shopping centres, offices etc. Ideally placed inside entrances or sheltered exterior situations to stop water and dirt entering premises, as well as providing an attractive welcome. Non shrinking tight loop polypropylene infills are hard wearing and designed to keep performing. For weather exposed areas where increased water removal is required, see the ALUMAT draining range, Alumat 15D and 15WD

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(c)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(b)
- **Clause D1 Access routes:** Performance D1.3.3, D1.3.3(b), D1.3.3(d)
- **Clause E2 External moisture:** Performance E2.3.3
- **Clause F2 Hazardous building materials:** Performance F2.3.1

### Notes

C3.4b - Aluminium and infill matting and scraper ribbed carpet exceeds ISO 9239-1 requirements. CRF 8.0Kw/m<sup>2</sup> D1

Access - slip resistance. ALUMAT 10W is an acceptable solution exceeding minimum slip resistance of 0.4 when dry and wet.

### Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2.3.1(c) AL20 mats carry a standard 5-year wear warranty on infills.

C3.4(b) (insert evidence here)

D1.3.3(d) AL20 is non-slip (insert evidence here)

F2.3.1 AL20 is made of non-hazardous materials

### Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Universiteit Gent

[Prof. Dr. Paul Kiekens - 14-456A](mailto:Paul.Kiekens@UGent.be)

### Use in Service History

Infill materials manufactured by Vebe, Netherlands have been in use for heavy duty entrances for many years in Europe and Worldwide.

## Product Criteria

### Design requirements

Alumat AL10 HDW is an ideal choice where a 10mm high profile entrance mat is required in intense wear situation with wider than normal profiles. It can be fitted into a recessed mat well, or be fitted with our unique ramping option. Our ramping is unlike others, coming preinstalled. This means our mitred corners of ramping if required are perfectly aligned and locked in place. There is no need to drill holes to secure the ramps saving unsightly screw fixings, ill fitting joints and holes and plugs to the floor.

### Installation requirements

<https://www.alumat.co.nz/wp-content/uploads/2018/12/Alumat-Installation-Guide.pdf>

### Maintenance requirements

Maintenance instructions available on our web site, or on request.

<https://www.alumat.co.nz/wp-content/uploads/2018/12/Alumat-Maintenance-Guide.pdf>

### Warrantees

Alumat mats are all guaranteed for a minimum of 5 years. This applies for both infills and aluminium bases,

Alumat10 W and 10WD have an extended frame warranty of 10 years, where frames are warranted to be refurbishable with new infills, provided the mat was correctly installed and maintained as per instructions. While infills too are exceptionally hard wearing, to keep entrances looking at their best, replacement of infills is possible and recommended after 5 to 10 years of use although they will continue to wear and perform beyond that time.

## Company Product Information

### Environmental

All of the products used are manufactured by companies that have demonstrated their commitment to the environment and have been appropriately certified. We have selected aluminium that is designed to withstand wet conditions and can be reused after refurbishment if in suitable condition.

HD frames have warranties that they will be refurbishable for extended periods, provided they have been correctly installed and maintained.



Date last validated: **18 September 2019**



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