

Aluminium bar and infill entrance matting for intense wear situations. 10mm deep with ramp option

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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 - Test Report 14-456A](#)

Company Contact Details



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Technical Statement

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, AL10D or AL15HDD.

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(b), D1.3.3(d)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

ALUMAT AL10 I meets the relevant standards

Fire safety tested EN ISO 9239-1 (2010) CRF 8.0KW/m2

Slip resistance. Exceeds minimum slip resistance of 0.4 in both wet and dry conditions.

Evidence

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

Fire safety test results of EN ISO 9239-1 (2010) CRF 8.0Kw/m2 by Universiteit Gent

See <https://www.alumat.co.nz/wp-content/uploads/2018/12/Vebe-Carpet-Test-Aluminium.pdf>

Supporting Evidence

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

Universiteit Gent

[Prof. Dr. Paul Kiekens - Test Report 14-456A](#)

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 Interlock is the ideal choice where a 10mm high profile entrance mat is required in intense wear situations.

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

<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, Extrusions are exterior grade and anodised, so if installed correctly and maintained will last for many years.

Infills are hard wearing polypropylene. While they 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. Our heavier grade extrusions AL15 and AL20 are guaranteed to be able to be reconditioned for the first 10 years of their life, but you can expect much longer.

See [Products Guarantee](#)



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