

Heavy duty aluminium bar with infill entrance mat. 15mm TO 20mm deep with 20 year frame warranty

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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)



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Technical Statement

Product Description

Alumat AL15 Interlock HD is a heavy duty aluminium bar and infill entrance mat made for intense wear situations.

Heavy duty exterior grade magnesium alloy and anodised extrusions are guaranteed to be able to be refurbished for the first 10 years, but expect much longer. This provides an excellent investment that will last for just a little more than similar products with a shorter life expectancy. With reasonable care the strong frames will last for many years and can be refurbished with new infills over and over as required.

There is a choice of colours utilising Beaulieu Real's ribbed infills made in Belgium that stay looking smart, are UV protected and will not shrink back.

These mats are rigid and fully rubber lined to ensure clatter-free operation on smooth surfaces.

Ideal for schools, shopping malls, and other commercial situations where extreme wear situations are encountered.

Logo options available

Scope of use

Best used inside or sheltered outside locations. Extremely hard wearing anodised exterior grade alloy is guaranteed to last for 20 years, and can be refurbished as required to look and perform as new. Easily replaceable infills can keep mats many years old looking new.

For very wet locations, or excessive water removal, see ALUMAT 15D and 15WD which are designed to contain water or integrate with drainage systems without under mat soiling or flooding.

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 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/m2 D1 Access - slip resistance.

ALUMAT 15 I 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:

C3.4b - Aluminium and infill matting and scraper ribbed carpet exceeds ISO 9239-1 requirements. CRF 8.0Kw/m2

D1 Access - slip resistance. ALUMAT AL15HD I is an acceptable solution exceeding minimum slip resistance of 0.4 when dry and wet.

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](#)

Use in Service History

ALUMAT uses a rigid rib polypropylene infill product manufactured by Vebe Flooring Coverings, which is part of the Netherlands Condor Group.

The particular product has been used throughout Europe and beyond for many years and we manufacturer for use here In New Zealand for properties throughout Australia, the Pacific and the Middle East.

Product Criteria

Design requirements

Alumat 15 I is the ideal choice where an attractive extra heavy duty entrance mat is required for a mat well inside and entry, or in a sheltered exterior position.

Installation requirements

Floor surfaces are to be clean , dry and level to receive the mats. In matwells or recesses created by surrounding tiles, the mat may be placed in position.

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

Maintenance requirements

Daily vacuuming should be carried out to keep the mat looking and performing well.

Periodic steam cleaning or pressure washing can be carried out. FOor comprehensive maintenance see <https://www.alumat.co.nz/wp-content/uploads/2018/12/Alumat-Maintenance-Guide.pdf>

Warrantees

Alumat15 I frames have a 20 year warranty that the alloy frames will be able to be refurbished with new infills, to look and perform as new, subject to correct installation and regular prescribed maintenance being carried out.

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 AL15I, 15D and 15WD are guaranteed to be able to be reconditioned for the first 20 years of their life.



Date last validated: **18 September 2019**



Date last updated: **18 September 2019**

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