

Aluminium bar and infill entrance matting with draining capability

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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 Paul Keikens - 14-456A](#)

Technical Statement

Product Description

ALUMAT15D is an extra heavy duty aluminium mat made for busy entryways with ability to discharge rain water to disposal systems. Drainage is effected by surface drain channels that can discharge to predetermined locations, without flooding the underside of the mat or contaminating this area with debris.

Combining scraper ribbed infills with drain channels. Alummat 15D can be used inside and outside to more effectively remove and contain or remove water and dirt from foot traffic.

It is designed to fit into a mat well with a depth of between 15mm and 20mm, Mat depth is adjustable with full under mat rubber sheet. .

Alumat15D mats are covered by our 20 year warranty for aluminium frames, and 5 year warranty for replaceable infills.

Specifications:

Height: 10mm

Weight: 21.0 kg/sq m

Construction: Interlocking

Profile Width: 50mm

Infill Width: 28mm

Infill Width %: 56%

Location: Inside or outside

Crush Resistance: 2,000 kg/sq m

[To view more product details click here.](#)

Scope of use

Suitable for busy commercial entrance ways, including schools, shopping centres, offices etc. Draining capability enables use both inside and outside, in weather exposed situations.

Mat design compliments flush threshold drainage systems where entrance mats also need to drain to the outside drain, or from single drain outlets located under the mat, in the mat well.

The mat allows water to be channeled above the mat and discharged to a single drain channel, enabling a simple water discharge system to be made.

Reduced water demands may just require the drain channels to act as evaporation containment to improve performance of typical 'closed construction' mats.

Ideal for use where water entry to buildings is a concern.

Can be made any size and shape.

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

C3.4b - Aluminium and infill matting and scraper ribbed carpet exceeds ISO 9239-1 requirements.

Company Contact Details



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CRF 8.0Kw/m2

D1 Access - slip resistance. ALUMAT 15D 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 AL10D 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 Paul Keikens - 14-456A](#)

Use in Service History

The polypropylene infills used are manufactured by Vebe Floor Coverings in the Netherlands, and have been widely used throughout Europe and many other countries for many years.

Product Criteria

Design requirements

Alumat 15D should be fitted in a mat well 15mm to 20mm deep.

It is fully rubber backed to give good support and comfort, but must be installed over a hard level surface.

Can be installed inside or weather exposed situations outside if required.

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 ramped mats on smooth surfaces, Velcro pads can be used to locate in position, or dowel and screw fixing if required may be used by uplifting infill near an edge.

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

Maintenance requirements

Daily vacuum cleaning is recommended. Periodic steam cleaning or pressure water cleaning can be done. Solvents should not be used.

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

Warrantees

All Alumat aluminium and infill mats have a minimum warranty for five years against faulty materials and/or workmanship subject to normal wear and tear.

Alumat15D, is an extra heavy gauge profile and has a 20 year warranty that the frames will be able to be refurbished for the duration of the warranty subject to correct installation and maintenance..

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

Relationships



New Zealand Made



Date last validated: 18 September 2019



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ALUMAT 15 D

Product Technical Statement: 107397