

Heavy duty draining entrance mat for intense wear situations requiring controlled water removal

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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](#)



Company Contact Details



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Technical Statement

Product Description

AL15 HDD is an extra heavy duty aluminium and infill entrance mat which is specifically designed to remove water from entrances simply and effectively. It does not just flood water and debris under the mat, but channels it to specific disposal points that can be incorporated into a drainage plan,

We can help with a simple and effective design that will keep under mat areas, clean and dry, while disposing of surface water to a single drain point or a threshold drain..

AL15 HDD mat infills are covered by our standard 5-year wear warranty for infills and 20-year frame warranty with low cost infill replacement.

Height: 15mm - 20mm

Weight: 19.2 kg/sq m

Construction: Interlocking

Profile Width: 38mm Infill Width: 28mm

Infill Width: 78% Location:

Inside or outside weather exposed situations

Crush Resistance: 2,000 kg/sq m

Scope of use

Ideally used in busy entranceways, 15WD is designed to remove and contain water as well as dirt, keeping interiors both clean and dry

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. CRF 8.0Kw/m² D1 Access - slip resistance.

ALUMAT 15 WD 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

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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 15 WD 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 exposed situations if required.

Can be connected to drain for complete water removal

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 exterior situations, dowel and screw fixing if required should be used by uplifting infill near an edge.

In any exterior situation the mats must be screw fixed for safety.

For further 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. Alumat15WD, 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 AL15WD are guaranteed to be able to be reconditioned for the first 20 years of their life.



Date last validated: **18 September 2019**



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