

Product Review

Shuttle

Entrance Mat System

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Product class

Class 1 - Batch or mass-produced products

Product name

Shuttle - Entrance Mat System

Product description and its intended use

Shuttle is an ultra-low 10mm deep, natural die cast aluminium interlocking mat with polyamide inserts entrance mat system. Available in a range of 8 polyamide insert colours.

Place Manufactured (New Zealand or Overseas)

New Zealand

Relevant Building Code clauses

B2 Durability	Performance clause B2.3.1 c) 5 years
C3 Fire Affecting Area beyond the source	Performance clause C3.4 b) - does not apply to detached dwellings, within household units in multi-unit dwellings or outbuildings and ancillary buildings.
D1 Access Routes	Performance clause D1.3.3 d)
F2 Hazardous Building Materials	Performance clause F2.3.1

Statement of how the building product is expected to contribute to compliance

B2 Durability - B2.3.1 c)

- Shuttle entrance matting has a durability beyond 5 years, based on NZBC B2/VM1 clause 1.1 In-service history.
- Durability supported by a 15 year product warranty.

C3 Fire Affecting Area Beyond the Source - C3.4 b)

- Shuttle has been tested to AS ISO 9239.1 - 2003 and achieves a CHF (Critical Heat Flux) mean of 8.8kW/m². Refer to AWTA Product Testing, Test Report 23-004995, dated 19.12.2023.

Advance Flooring Systems Ltd

sales@advanceflooring.co.nz

www.advanceflooring.co.nz

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D1 Access Routes - D1.3.3 d)

- Tested to AS 4586: 2013. Achieves a SRV of 56 and a classification of P4.

F2 Hazardous Building Materials - F2.3.1

- Shuttle are manufactured from non-toxic materials.
- GreenTag level B.

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Limitations on the use of the building product

- Shuttle entrance mats are not suitable for exterior, weather exposed applications. Suitable for interior or weather protected areas only.

Design requirements that would support the appropriate use of the building product

- NA

Installation requirements

- Install in accordance with Advance Flooring, Installation Instructions.
- Recommended to be installed with an Advance Flooring Matwell surround frame.
- After frame installation, prepare substrate base to suit level of matting and to provide a smooth, level base.

Maintenance requirements

- Maintenance to be in accordance with Advance Flooring, Maintenance Instructions - Advance Entrance Matting Systems.
- Daily maintenance - soiling removed with vacuum cleaner. Chewing gum to be removed as soon as it appears by use of specialist products.
- Periodic maintenance - carry-out routine visual inspection to identify when matting is becoming full of dirt. Clean using water spray extraction method. Can be scrubbed by machine or hand along direction of infills. For staining, household solvents may be used to manufacturer's instructions. Only used solvents applied with a rag, do not pour solvent onto matting.
- The matting can be removed from the well and sprayed with a medium pressure water machine.
- If inserts are damaged or unduly worn, they can be replaced.

Building Act 2004 section 26 compliance

- Yes/No

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