

Delta Decking System

Technical Data Sheet

Overview

A durable, non-combustible, aluminium decking system designed to enhance balconies and terraces, available in a range of standard finishes. Available with as a complete decking system with accessories to facilitate fast and accurate installation, MyDek offers unrivalled speed, accuracy and choice in decking solutions.

Features:

- Fully certified
- Non-combustible
- Lightweight
- Concealed fixings
- Slip resistant
- 30 year warranty
- 60 year design life



Dimensions:

Board width x depth	144 x 20mm (150mm module)
Board length	4m or cut-to-length (subject to conditions)
Weight	13.86 kg/sqm

Material:

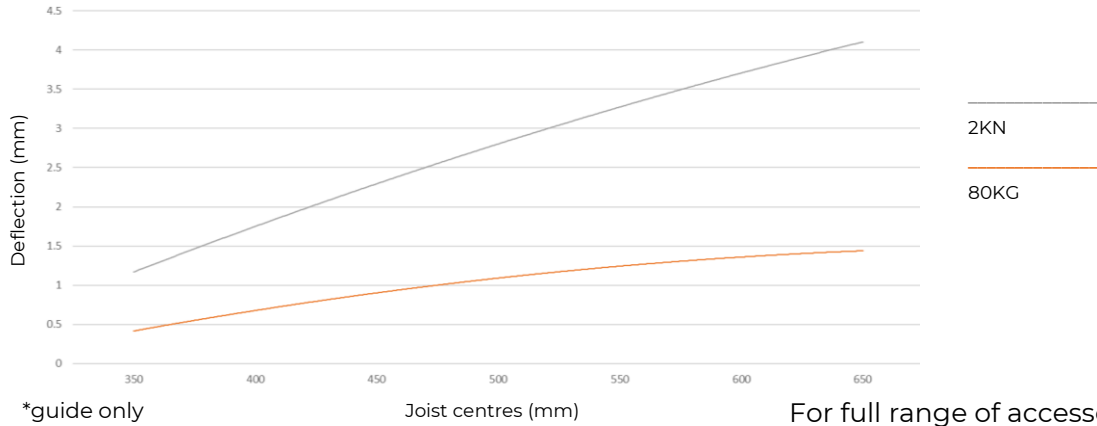
Board	Aluminium grade 6063-T6
Density (ρ)	2.69 g/cm ³
Expansion allowance	2mm per linear metre
Finish	Polyester Powder Coating – 80micron slip-resistant
End Cap	Aluminium grade LM24

Product Codes:

BD09	Decking board only
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Strength:

Deflection under load for various joist centres*



*guide only

For full range of accessories, visit www.mydek.com

Performance Standards:

Quality	Standard	Value	Limit
Deflection – 80KG at 500mm span	EN310	0.86mm	-
Deflection – 2KN at 500mm span	EN310	2.9mm	<5mm
Slip resistance - Wet Dry	BS7976 -2 Pendulum Slip Test	39.5 PTV 59 PTV	>36
Coefficient of thermal expansion	N/A	0.024mm/m/°C	-
Coating Durability	EN12206, EN13438	Qualicoat Class 2	-
Accelerated wear test (biomechanical - see appendix 1.1)	TM391:2016	'Very Slight' at 50K 'Slight' at 100K	-
Furniture leg test (scratching)	EN424:2001	No damage Slight transfer	-
Fire test (polyester powder coated)	EN 13501 – 1 A1:2013	A2 – s1, d0	A2 – s1, d0
Coating Adhesion	ISO-0 ASTM-5B	No separation	-
UV Stability	ISO2810	Class 2	3-year Florida

Colour range:

For full colour range of non-slip textured powder coatings visit www.mydek.com

Applications:

For use on balconies, walkways, roof terraces, leisure areas and patios.

Installation:

Mounted directly onto joists or onto MyDek SupportRail™ joist or bearers.

Storage and Handling

Profiles are packaged with protection against scratching and contamination, and supplied with appropriate support (e.g. stillage or pallet). Ensure that this level of protection is maintained until installation, including storage in dry conditions and support along the length of the profiles. Improper storage may lead to damage that falls outside the warranty.

Manufacturer:

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Summary

Smart

Under normal usage, MyDek is easy to maintain - simply wash the deck surface as needed without abrasive chemicals. MyDek is one of the lowest-maintenance systems available.

The unique ClipRail™ and SupportRail™ systems make MyDek installation fast and simple.

Safe

All aluminium used to create MyDek is compliant with current industry and manufacturing standards. The products are fully tested for durability, deflection and slip resistance. All MyDek products are certified to the relevant fire standards.

Sustainable

The 60-year service life and ability to be recycled make MyDek a sustainable building feature. The longer life cycle reduces the energy required to produce replacements.

Aluminium wastage created through any of the manufacturing process is fully recyclable and is used to create other aluminium products.

Appendix

1 Biomechanical Accelerated Wear Test SATRA TM391:2016

This test has been carried out in accordance with SATRA TM391:2016 for assessing floor coverings using a walking machine, where a standard shoe (having a patterned sole with a tread depth of 5mm ± 0.5mm and Shore A hardness of 54 is mounted on a foot form that is attached to a walking machine. The flooring specimen is subjected to a cyclic walking action from the standard shoe, where the specimen rotates incrementally whilst the forepart is in contact with the sample. These individual footsteps are designed to replicate a mixture of walking in a straight line and turning a corner. The flooring sample under test rotates such that it completes a 360° rotation every 150 footfalls.

2 Furniture leg test EN 424:2001

This test simulates the movement of furniture or the likes on floor surfaces, and assesses the impact on the finish of the product both in terms of damage to the surface and transfer of marking onto the surface.

RESULTS:

EN 424:2001 – Resilient floor coverings – Determination of the effect of simulated movement of a furniture leg. ⁽²⁾⁽³⁾

		Direction of manufacture	90° to the direction of manufacture
Type 0 with an applied mass of 32 kg	Flatness Deterioration	None	None
	Damage which partially destroys surface	None	None
	Cuts of varying depth	None	None
	Penetrating Edges	None	None
	Transfer of brass	None	None
Type 2 with an applied mass of 100 kg	Flatness Deterioration	None	None
	Damage which partially destroys surface	None	None
	Cuts of varying depth	None	None
	Penetrating Edges	None	None
	Transfer of brass	Very slight	Slight
Type 3 with an applied mass of 70 kg	Flatness Deterioration	None	None
	Damage which partially destroys surface	None	None
	Cuts of varying depth	None	None
	Penetrating Edges	None	None
	Transfer of brass	None	Slight