MYDEK®
Non-combustible decking systems

Delta20 Decking System

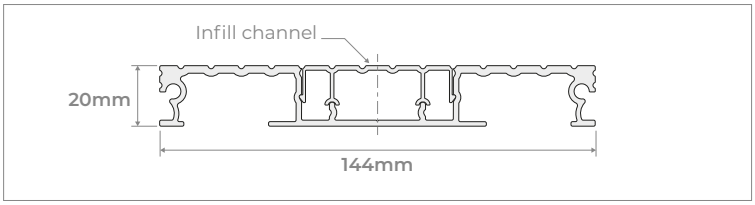
Overview

A durable, non-combustible, aluminium decking system designed to enhance balconies and terraces, available in a range of standard finishes. Compatible with the full range of support systems from MyDek for 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	4.2m or cut-to-length (subject to conditions)
Weight	12.47 kg/sqm

MATERIAL:

Board	Aluminium grade 6063-T6
Expansion allowance	1mm per linear metre
Finish	Polyester Powder Coating – min 60 micron Super Durable, Qualicoat Class 2 powder

PRODUCT CODES:

BD09	Decking board

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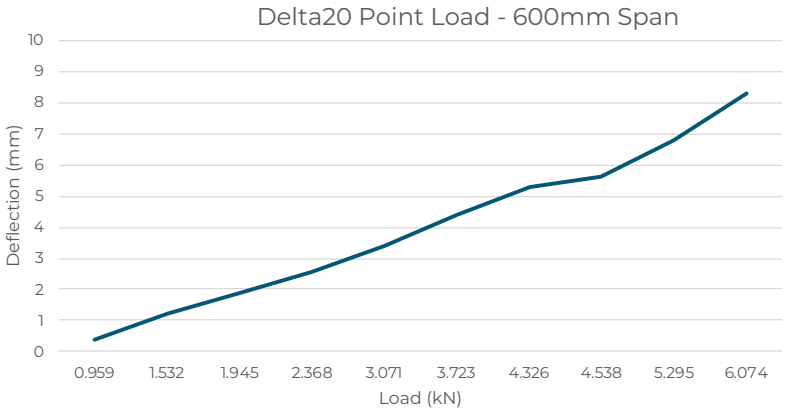
STRENGTH:

Deflection under load



PERFORMANCE STANDARDS:

QUALITY	STANDARD	VALUE	LIMIT
Fire test (polyester powder coated)	EN 13501 – 1 A1:2013	A2-s1,d0	A2-s1,d0
Deflection – 80KG at 600mm span	EN310	1.59mm	<5mm
Deflection – 2KN at 600mm span	EN310	3.35mm	<5mm
Slip resistance - Wet	BS7976 -2 Pendulum Slip Test	40 PTV	>36
Slip resistance - Dry		59 PTV	>36
Coefficient of thermal expansion	N/A	0.024mm/m/°C	-
Coating Durability	Qualicoat Class 2 powder		
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	
Coating Adhesion	ISO-0 ASTM-5B	No separation	-
UV Stability	ISO2810	Class 2	3-year Florida

SUSTAINABILITY	VALUE
Embodied Carbon	0.0802 tonnes/m^2

COLOUR RANGE:

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

LIGHT REFLECTANCE VALUE:

RAL7016:	LRV 7	RAL7040:	LRV 32
RAL7037:	LRV 21	RAL8014:	LRV 6
RAL7039:	LRV 15	RAL8019:	LRV 7

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APPLICATIONS:

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

INSTALLATION:

Fixed to steel structure or MyDek Support Systems with self drilling screws.

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.

ACCESSORIES:

For full range of accessories visit www.mydek.com

MANUFACTURER:

MyDek Limited
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Summary

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.

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.

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 created other aluminium products.

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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 is 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 32kg	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 100kg	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 70kg	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

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