

ADB



Aluminium Decking Board

Overview

Fully non-combustible aluminium decking board designed to be fixed to aluminium substructures on balconies and terraces. Achieves Euroclass A2-s1, d0 fire rating.

- Manufactured from 6063-T6 structural grade aluminium - ensuring high strength while remaining corrosion resistant
- Indirect fixing method allows for thermal expansion and contraction
- Qualicoat Class 2 textured powder coating, to resist fading, chalking, blistering, cracking, marring, corrosion, and gloss degradation.
- Excellent scratch and wear resistance, even in areas of high foot-traffic
- Boards available in any RAL colour with 6 standard finishes - see finishes



Performance

Allowable load	Uniformly distributed >4.0kN/m2, Concentrated 2kN
Aluminium grade	6063 T6
Biological/chemical	Resistant to moulds, algae, alkali, bitumen, UV
Board coating	Qualicoat Class 2 textured powder coating – formulated to resist fading, chalking, blistering, cracking, marring, corrosion, and gloss degradation. See separate table in datasheet below
Coefficient of linear thermal expansion	0.023mm/m/°C
Reaction to fire (to EN13501-1)*	A2-s1, d0
Scratch resistance (Furniture Leg Test)*	No damage identified.
Slip resistance (Pendulum Test)*	PTV (Dry) 63, PTV (Wet) 41 – Low risk of slip
Wear resistance (Footfall Test)*	Very slight wear after 100,000 footfalls. No visible sole marking.
Warranty	30 years
Design life	60 years

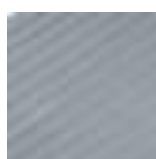
*UKAS accredited test reports available on request.

Dimensions

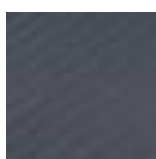
Code	Height	Width	Span	Length*
ADB60	25mm	200mm	600mm	Available in stock lengths or cut to length
ADB80	25mm	200mm	800mm	Available cut to length
ADB100	30mm	200mm	1000mm	Available cut to length

*Also available cut to any length up to 11m, manufactured to order

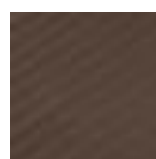
Finishes



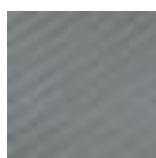
RAL 7040
Window Grey



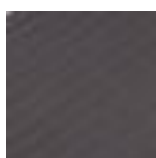
RAL 7016
Anthracite Grey



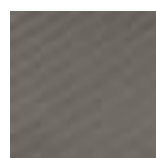
RAL 8014
Sepia Brown



RAL 7037
Dusty Grey



RAL 8019
Grey Brown



RAL 7039
Quartz Grey

In addition to our standard colour range, we can also produce decking boards in almost any RAL colour. As well as UltraGrip™ – see accessories.

Coating Specification

Overview

A matt polyester powder coating featuring excellent resistance to UV radiation and outdoor weathering. Formulated on super-durable resins designed to give enhanced protection to aluminium components used in architecture. Approved to GSB Master Quality specification (licence 152k) and QUALICOAT class 2 category 1 (licence P-1223). Due to its high level of durability this paint is particularly recommended for exterior coating in aggressive tropical environments.

Characteristics

Spec. Gravity (Kg/l)	1.25-1.6
DFT (micron)	60-80
Theoretical coverage @ 60µm	13m ² /kg
Reaction to fire (EN 13501-1)*	A2-s1, d0

Performance Data

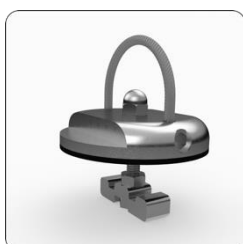
Gloss 60° (UNI EN ISO 2813:2014)	25.0-35.0
Buchholz indentation test (UNI EN ISO 1520)	More than 90
Erichsen cupping test (mm) (UNI EN ISO 1520)	More than 5
Direct impact test (cm.Kg) (ASTM D 2794; ISO 6272-2:2002)	More than 25
Reverse impact test (cm.Kg) (ASTM D 2794; ISO 6272-2:2002)	More than 25
Conical mandrel: Bend test (adhesion)	5mm mandrel, no detachment
Crosscut adhesion (2mm) (UNI EN ISO 2409)	Class 0
Resistance to humidity (UNI EN ISO 6270-2:2005)	1000 hours, no blistering, infiltration from cross of max 1mm
Accelerated weathering (to EN ISO 16474-2)	Florida 3 year approval (greater than 90% gloss retention after 1,000h Xenon-arc)

Accessories



Side and End Termination Profiles

Secured to the edges of the board, these profiles provide a concealing finish to exposed board profiles.



Furniture Anchor

Easily installed, repositioned, and removed, the furniture anchor secures outdoor furniture to prevent wind uplift and movement as per guidance given in BS 8579:2020.



AluClip™

20mm wide hidden clip for fixing. Aluminium Alloy T6.
Patent pending: GB2009927.1
60mm wide option to hide mill finish joists – saves powder coating the joist

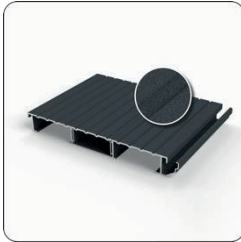


Starter/End Clip

Used on perimeter boards, this clip allows you to easily secure the first and final board in place

**30mm Decking Screw**

3.9 x 30mm stainless steel A4, chemiblack finish, square drive countersunk head, self-drilling

**UltraGrip™**

Applied for enhanced slip resistance and surface durability. Available in classic Anthracite Grey (RAL7016).

Compatible Systems



TerraSmart®
Aluminium Decking System

Decking system for waterproofed substrates



BalcaSmart®
Aluminium Decking System

Decking system for metal-frame balconies

Got questions?

Speak to one of our expert advisors

Visit www.rynogroup.co.uk or call us today on +44 (0)203 967 3500 or reach out on sales@rynogroup.co.uk.