

Adek technical summary

We are happy to work with architects, fabricators and installers to realise the technical and aesthetic goals they wish to achieve for balcony and terrace decking. Below is a technical summary of our Adek aluminium decking system. If you have specific queries or would like support with your project please contact us.

Category	Test Type	Adek 20	Adek 30
Fire	Tested to EN 13501-1	A2 _{FL} – s1 A2: Noncombustible S1: Smoke emissions	
Products	Dimensions	20mm deep 295mm or 147.5mm wide	30mm deep 295mm or 147.5mm wide
	Lengths	Standard lengths : 6m, 5m, 4m Also available cut to length	
Load Capability	Boards are capable of supporting a 4kN point load at these centres.	Max 600mm fixing centres Min of 3 bearers required along the board length where Adek 20 is less than 1200mm long	Max 1200mm fixing centres Min of 3 bearers required along the board length where Adek 30 is less than 2400mm long
Colours		Anthracite Grey (RAL 7016)	
Material	Aluminium	Aluminium 6063 Tempered to T6 100% Recycled Aluminium	
	Expansion	The co-efficient of expansion for aluminium is 24×10^{-6} per °C. Therefore aluminium expands and contracts by approximately 1mm per metre over the range of temperatures typically experienced in the UK	
	Weight	Board including channel cover 3.90 kg/m	Board including channel cover 4.23 kg/m
Coating	Qualicoat Fully tested to Qualicoat standards and manufactured under Qualicoat requirements	Qualicoat 1	
	Slip resistance BS7976-2 Pendulum Slip Test	Low slip potential Dry Conditions - 51 Wet Conditions - 42	
	Wear resistance EN660-2	Excellent resistance to wear, minimal loss of coating	
	Colour retention - Part of Qualicoat 1 standard. A movement of 1delta E is the smallest colour change that can be detected by the human eye.	The colour change ΔE (delta E) was tested according to ISO 2810 Florida Exposure Weathering Test: Anthracite Grey 3	
Fixings	5.2mm Hexagonal head, self cutting, stainless steel.	Min of 2 fixings per channel (4 fixings per board at each bearer)	