



etalbond d³
COMPOSITE MATERIALS

etalbond d²
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LET YOUR BRAND **BE EXPRESSED**

Aluminium Composite Panels, ideal for signage display. They consist of two aluminium sheets with an **LDPE** core or a **Fire Retardant** core in thickness 2 - 6mm, available in **standard** or **custom made colours**.

etalbond® d³, d² have a highly resistant polyester coating, which has been developed for digital printing and under certain conditions for exterior use. Thereby, they offer tight production tolerances (up to ±0.05mm) the best prerequisite for **perfect printing result**.

etalbond® d³, d² are also UV, corrosion and heat resistant and have a lower thermal expansion than plastics, all these combined with perfect flatness.

WITH UNLIMITED POTENTIAL



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Technical Characteristics	Unit	etalbond® d ³				etalbond® d ²			
		2	3	4	6	2	3	4	6
Panel Thickness	mm	2	3	4	6	2	3	4	6
Aluminium Layer	mm	0.3				0.2			
Weight	kg/m ²	2.9	3.8	4.8	6.6	2.6	3.5	4.4	6.2
Dimensional Tolerances									
Panel Thickness	mm	±0.2							
Panel Width	mm	-0.00/+4.00							
Panel Length	mm	≤ 4000mm: -0.0/+4.0 4001 - 6000mm: -0.0/+6.0 6001 - 8000mm: -0.0/+10.0							
Rectangularity/diagonal difference	mm	3.00mm							
Linear thermal expansion coefficient	mm/m	2.4mm/m for Temperature difference of 100°C							
Surface Properties									
Paint Thickness Tolerances according to EN 1396	µm	22				18			
Pencil Hardness		min H							
Dents, marks, hits, grooves, stains etc. acceptable when not visible at an angle of 90° and at a distance of:		≥ 50cm				≥ 1m			
Protective film	An area of 5mm max, from each edge might be without protective film unless otherwise agreed with the customer								
Other Properties									
Alloy/temper of the aluminium cover sheet		EN AW - 3105/H44 or 4116/H44							
Core: Density of Polyethylene, Type LDPE	g/cm ³	0.92							

Packing Instructions	etalbond® d ³											
	2mm				3mm							
Width (mm)	1000	1250	1500		1000		1250	1500		2000		
Length (mm)	4050	2550	3050	4050	2050	2550	2550	3050	4050	3050	4050	
Sheets / Pallet	80	110	75	55	130	110	85	55	45	40	30	
										6mm		
4mm										6mm		
Width (mm)	1000	1250	1500		2000		1500					
Length (mm)	3050	2550	3050	4050	3050	4050	3050	4050				
Sheets / Pallet	70	70	45	35	35	25	35	25				
etalbond® d ²												
2mm			3mm				4mm					
Width (mm)	1000	1250	1500	1000	1250	1500	2000	1000	1250	1500	2000	
Length (mm)	2050	2550	3050	2050	2550	3050	4050	2050	2550	3050	4050	
Sheets / Pallet	200	150	80	150	90	60	45	45	35	120	75	
										50	35	
										35	25	