

Durallo Splashbacks and Panels Technical Data Sheet

Details	Standard	Unit	Durallo Splashbacks and Panels 4mm
Aluminium Skin Thickness		mm	0.5
Core			>70% Mineral Filling
Weight		kg/m ²	7.6
Section Modulus	DIN 53293	cm ³ /m	1.75
Rigidity	DIN53293	kNcm ² /m	2400
Modulus of Elasticity	EN 1999 1.1	Mpa	70,000
Alloy	EN 573.3		EN AW 5005A (AlMg1)
Temper	EN 515		H22 / H42
Tensile Strength	EN 485.2	MPa	Rm =>130
0.2% Proof Stress	EN 485.2	MPa	Rp0.2 =>90
Elongation	EN 485.2	%	A50 =>5
Linear Thermal Expansion	EN 1999 1.1		2.4mm/m at 100deg C temperature difference
Finish			Coil Coated Fluoropolymer (PVDF or FEVE)
Gloss	EN 13523.2		Finish Dependant - Standard = 30-40%
Pencil Hardness	EN 13523.4		HB - F

Acoustic Properties

Sound Absorption Factor	ISO 354		0.05
Sound Transmission Loss	EN ISO 140.3	dB	27

Thermal Properties

Thermal Resistance	DIN 52612	m ² K/W	0.009
Thermal Conductivity	DIN 52612	W/mK	0.33/mm thickness of core
Heat Transition Coefficient	DIN 4108	W/m ² K	5.58
Temperature Resistance		Deg C	-50 up to +80

Fire Behaviour

AS/NZ 1530.3	Ignitibility = 0	Flame Spread = 0	Heat Evolved = 0	Smoke Developed = 2
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Sheet Sizes

All Colours
 3660x1575
 3660x785

Brushed Silver
 3660x1500
 3660x750

Environment, Health and Safety: During the life cycle of Durallo Spalshbacks and Panels no substances containing CFC, VOC's are released. The core material does not contain any nitrogen, chlorine or sulphur. All Durallo finishes are RoHS compliant and contain no lead, cadmium, mercury or chromium.

Recycling: Durallo can be fully recycled, i.e. Both core material and aluminium skins can be recycled and reused for the production of new material.

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