



## ALUMAX PANEL

300 Don Park Rd, Unit #10, Markham, ON L3R 3A1

T&F: 905 604 7476

WWW.alumaxpanel.com

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**Alumax Panel** fire rated is made of non-combustible mineral core and aluminum sheet both sides. It is a new composite panel because of the fireproof element. This fireproof features can reach Class B1 stipulated in GB8624. Also there's no harmful gas when being on fire.

Test item	Test method	Technical index	Test result
Minimum length after burning	GB/T8625-88	>0 mm	410 mm
Average length after burning	GB/T8625-88	= 150 mm	486 mm
Average gas temperature	GB/T8625-88	= 200 mm	110 mm
Height of top of flame	GB/T8625-88	< 150mm	15 mm
Gas density grade	GB/T8626-88	=75	34
Gas toxicity	GB/T8627-88	25.0	25.0



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### Alumax Panel Mechanical Properties:

Property	ASTM	Unit	Result
Panel thickness		Mm	4.00
Aluminum thickness		mm	0.50
Weight	D792	Kg/m <sup>2</sup>	5.50
Tensile strength	D638	PSI	5500
Yield strength	D638	PSI	3800
Thermal deformation temp	D648	·C	>105 ·C
Flexural rigidity	C393		14.0x 10 <sup>5</sup>
Shearing resistance	D732	Kgf/mm <sup>2</sup>	2.60
Smoke developed	E84		Passed
Wind- pressure resistance	E330		Passed
Sound transmission class	E90	STC	27
Coefficient of Linear Thermal Expansion	D696	mm/mm ·C	2.10x10 <sup>-5</sup>
Impact resistance	D732	PSI	4000
Flexural elasticity	D790	Kg/mm <sup>2</sup>	4055



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### Alumax Panel Surface Coating Properties:

Property	ATSM	Criteria	Result
Coating thickness	CNS8406	M	>25.0
Gloss	D523-89	At 60°	20-75
Pencil hardness	D3363-74		2H
Flexibility (T-bend)	D4145-83	No Cracking	2T no rift
Adhesion	D3359-87	100·C 2 hours	No adhesion loss
Abrasion Resistance	D968-81	Falling sand 20 liters/mil	50-80 KTR No Crack
Mortar resistance	D605.2-90	Test 7.7.2/24 Hrs	24 Hrs. Pat test
Humidity resistance	D714-87	At 35 · C	3000 Hrs. No Blister
Boiling water resistance	D3359-B		Passed
Salt spray resistance	D117-94	Blister- 10 Scribe- 8	3000 Hrs. No Blister
Acid resistance	D1308-87		Passed
Alkali resistance	D1308-87		Passed
Chalk resistance	D4214-89		Max. chalk= rating of 8