



Technical Data Sheet

G-Alu[®]

G-Alu[®] is an unique product using aluminium, copper, gold and stainless steel layers instead of decorative layers that make differences exclusive places of use.

G-Alu[®]'s design also offers extensive texture and special surfaces which allows the architects and designers creating authentic and elegant environments. The material surface can be cleaned easily with a damp cloth and a light non-abrasive cleaning agent.

G-Alu[®] SR is a metal laminate with increased scratch-resistance.

G-Alu[®] SR has a special technique added during production which makes the laminate suitable for horizontal applications.

EN Classification		CGS, HGS, HGP, VGS, VGP
EN 438 3 / 4	Thickness Range	0,5 mm - 20 mm
	Dimensions of HPL	1300x3050mm, other sizes upon request
	Available widths of CPL	It is produced in roll lengths of min 250m.



Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	$0.5 \leq t \leq 1.0 \text{ mm} : \pm 0.10 \text{ mm}$ $1.0 < t < 2.0 \text{ mm} : \pm 0.15 \text{ mm}$ $2.0 \leq t < 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t < 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t < 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t < 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t < 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t < 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t < 25.0 \text{ mm} : \pm 0.8 \text{ mm}$ $25.0 \leq t : \text{According To Agreement customer / producer}$
Density	ISO 1183 - 1	Min. 1.35 gr/cm ³
Scratch Resistance	EN 438-2 section 25 VGS, VGF, CGS, CGF HGS, HGF	Min. 2 N Min. 3 N
Impact Resistance	EN 438-2 Small Ball section 20 VGS, VGF, CGS, CGF HGS, HGF Big Ball section 21 VGS, VGF, CGS, CGF HGS, HGF	Min. 15 N Min. 20 N Drop Height Min 600 mm Indent Diameter Max 10 mm Drop Height Min 800 mm Indent Diameter Max 10 mm
Crack Resistance	EN 438-2 section 23 HGS, HGF, VGS, VGF, CGS, CGF	Min. 4 N
Resistance to Dry Heat at 180°C	EN 438-2 section 16 HGS, HGF, VGS, VGF, CGS, CGF	Min. level 4
Resistance to Water Vapor	EN 438-2 section 14 HGS, HGF, VGS, VGF, CGS, CGF	Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 HGS, HGF, VGS, VGF, CGS, CGF	Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 HGS, HGF, VGS, VGF, CGS, CGF	Min. Level 3
Resistance to Staining	EN 438-2 section 26 HGS, HGF, VGS, VGF, CGS, CGF Group 1 + 2 Group 3	Min. level 5 Min. level 4
Flatness	EN 438-2 section 9 HGS, HGF, VGS, VGF CGS, CGF $2.0 \leq t < 6.0 \text{ mm}$ $6.0 \leq t < 10.0 \text{ mm}$ $t \geq 10.0 \text{ mm}$	Max. 60 mm / 1 M length Max. 8 mm / 1 M length Max. 5 mm / 1 M length Max. 3 mm / 1 M length

Remarks :

@ HGS = Horizontal Grade Standard Laminate / @ HGF = Horizontal Grade Flame Retardant Laminate / @ VGS = Vertical Grade Standard Laminate
 @ VGF = Vertical Grade Flame Retardant Laminate / @ CGS = Compact Grade Standard Laminate / @ CGF = Compact Grade Flame Retardant Grade