نور البرهان لتجارة مواد البناء ذ.م.م
NOOR AL BURHAN
Building Materials Trading LLC

Tel. : +971 6 5610 527
Mob. : +971 56 158 2003
Add. : Ind. Area 11, Sharjah - U.A.E
Email : info@nooralburhan.ae
Web. : www.nooralburhan.ae
TRN. : 104064206600003

Technical Data Sheet

Compact High Pressure Laminates (HPL) as per EN 438-4 : 2016, are available in the standard CGS and in the flame retardant CGF types on demand. When these laminates are self-supporting they are ready for installing.

SL. NO.	PROPERTIES	TEST METHOD	ATTRIBUTES OF PERFORMANCE	UNIT OF MEASUREMENT	RESULTS IAS PER EN 438-41
			EN-438 Laminate Classification		CGS/CGF
1	SURFACE QUALITY				
1.1	Surface quality	EN 438-2.4	Spots, dirt and similar surface defects	mm²/m²	s 1
			Fibres hairs and scratches	mmlm²	s 10
2	DIMENSIONAL PROPERTIES				
2.1	Thickness	EN 438-2.5	Thickness tolerance	mm	2 s T < 3: ± 0 ,2
				mm	3 s T < 5: ± 0 ,3
				mm	5ST<8:±0 4
				mm	8 s T < 12: ± 0,5
				mm	12 s T < 16: ± 0,6
				mm	16 ST< 20: ±0,7
				mm	20 s T < 25 : ± 0 8
				mm	25 s T: ± 1 3
2.2	Size	EN 438-2.6	Lenath and width	mm	+ 10 I - 0
2.3	Stralahtness of edoes	EN 438-2.7	Straiahtness of edoes	mm/m	s 1,5
2.4	Sauareness	EN 438-2.8	Souareness	mm/m	s 1,5
2.5	Flatness	EN 438-2.9	Flatness (measured on full-size sheet).	mm/m	20ST<60:80
				mm/m	60ST<100:50
				mm/m	100 ST: 3 0
3	PHYSICAL PROPERTIES				
3,1	Resistance to surface wear	EN 438-2.10	Wear Resistance - Initial Point	Revolutions	Unicolours -2' 150 Printed DE§cor - 2 125
3.2	Resistance to immersion in boiling water	EN 438-2.12	Mass increase - 2 s T < 5 mm	%	CGS-s5,CGF-S7
			Mass increase - T ;;, 5 mm	%	CGS-S2,CGF-S3
			Thickness increase - 2 < T < 5 mm	%	CGS-S6 CGF -S 9
			Thickness increase - T;?: 5 mm	%	CGS-S2 CGF -S 6
			!Appearance - Gloss Finish	Rating	23
			!Appearance - Other Finishes	Rating	24
			!Appearance - Edge Rating	Rating	23
3,3	Resistance to water vapour	EN 438-2.14	IAooearance - Gloss Finish	Ratina	23
			IAooearance - Other Finishes	Ratina	24
3,4	Resistance to dry heat (180°C)	EN 438-2.16	IAooearance - Gloss Finish	Rating	23
			IAooearance - Other Finishes	Ratino	24
3.5	Dimensional stability at elevated temperatures	EN 438-2.17	Cumulative dimensional change -2 s T<5mm	Lonoitudinal %	S0,40
				Transversal %	so 80
			Cumulative dimensional change - T;?c 5mm	Lonaitudinal %	S0,30
				Transversal %	S0,60
3,6	Resistance to impact with large diameter ball	EN 438-2.21	Indent. dia. 10mm 2 ST<6 mm - Droo Heia	mm	;;, 1400
			Indent. dia. 10mm T>6mm - Droo Heia	mm	> 1800
3,7	Resistance to crazino	EN 438-2.24	IAnnearance	Ratin□	>4
3,8	Resistance to scratching	EN 438-2.25	IAooearance - Smooth Finishes	Ratino	>2
			IAooearance - Textured Finishes	Rating	>3
3,9	Resistance to staining	EN 438-2.26	IAooearance - Group 1 & 2	Rating	>5
			Appearance - Grouo 3	Ratina	24
3.10	Light fastness /Xenon arc)	EN 438-2.27	Contrast	Grev seale railno	4 lo 5
3.11	Flexural modulus	EN ISO 178	Stress	Moa	;;, 9000
3.12	Flexural stren11th	EN ISO 178	Stress	Moa	;?: 80
3.13	Density	EN ISO 1183	Density	gm/cm³	;?: 1,35
4	FIRE PERFORMANCES				
4,1	Fire Reaction Classification, CGS		Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)		
			Classification - T 2 6 mm	Rating	D-s2, d0
4,2	Fire Reaction Classification, CGF	EN 135 01	Classification - 3 s T < 6 mm	Rating	B-s2,d0
			Classification - 6 s T < 13 mm	Rating	B - s1, d0
5	OTHER PROPERTIES				
5,1	Release of Formaldehyde	EN 438-7.4.11.1	Classification	Ralina	E1