Boreal Compact Laminate
Solid Phenolic Partition Material



High Pressure Laminates (HPL), conforming to the specifications of EN 438-4:2016, are offered in both standard CGS and the flame-retardant CGF variants upon request. These laminates, when rendered self-supporting, are immediately prepared for the installation process.

#### **Product Description**

Compact Laminate is a sophisticated high-pressure solid composite material, meticulously designed for use in high-traffic commercial settings including washrooms, dining establishments, retail spaces, offices, healthcare facilities, and other general commercial areas. This composite is characterized by its extraordinary resilience to a multitude of challenges, including impacts, fire, chemicals, and stains, highlighting its robustness and enduring quality in diverse and demanding environments. Notably, the material is renowned for its antimicrobial and antibacterial characteristics, rendering it an excellent option for applications within healthcare environments where hygiene is paramount.

#### **Details**

- Classic Grade Specifications
  - Composition: Melamine surface, optimal for both vertical and horizontal applications including casework.
  - o Fire Rating: Classified as Class B/2.
  - o Thickness Range: Available: 3/4".
- **Fire-Rated Grade** –Fire retardant properties, required by building codes, e.g., elevator cabs, stairwells, and hospitals. Suitable for all segments within the transportation industry. Class A/ 1 Fire Rating. Thickness rage 3/4". Fire-Rated Compact Laminate is produced with a black center core, with a brown color line under the decorative layer.
- **Laboratory Grade** Thick panels engineered to resist a variety of acids, solvents, general agents and cleaning agents.
- **Solid Phenolic Backer** Non decorative material used for panels that require impact resistance. Thickness range- 3/4".
- Product Composition Decorative surface papers impregnated with melamine resins are
  pressed over kraft paper core sheets impregnated with phenolic resin. These sheets are then
  bonded at pressures greater than 1000 pounds per square inch at temperatures approaching
  300°F (149°C).
- Basic Limitations Classic Grade, Fire-Rated and Laboratory Grade panels offer special
  protection for many washroom applications. These product types are designed for interior
  applications. However, no one material is suitable for all possible conditions; its properties
  should be checked for suitability under the specific conditions of each application. The
  information provided herein is not intended for or to guarantee specific properties.
- Patterns & Colors See all patterns and colors at www.borealarchitectural.com. Please see the actual sample before specifying. Some Compact product types are available in limited designs only. Reference the chart on page 2.

Boreal Compact Laminate Solid Phenolic Partition Material



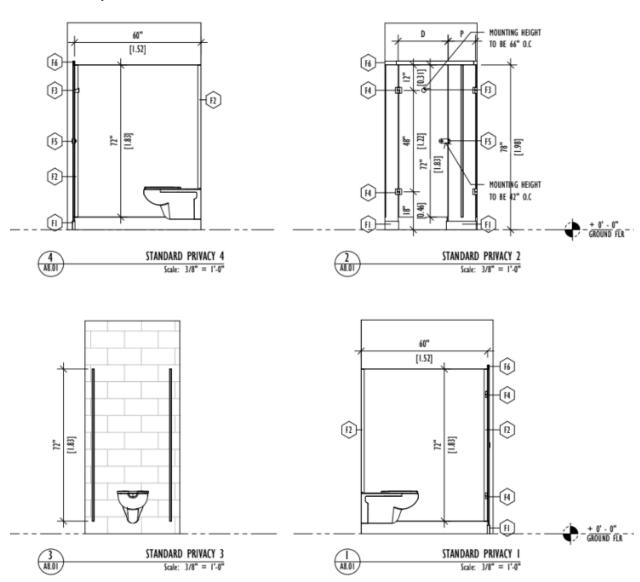
Surface quality						RESULTS	
SurFACE QUALITY		PROPERTIES		ATTRIBUTES OF PERFORMANCE			
1.1 Surface quality 1.1 Surface quality 1.2 DIMENSIONAL PROPERTIES    PASS   Fibres, hairs and scratches				FN-438 Laminate Classification			
2.   Size	1	SURFACE QUALITY		Eli 450 Edillilate classification		COS/COI	
2   DIMENSIONAL PROPERTIES				Spots, dirt and similar surface defects	mm²/m²	<b>≤1</b>	
2   DIMENSIONAL PROPERTIES	1.1	Surface quality	EN 438-2.4		mm/m²		
2.1 Thickness   EN 438-2.5   Thickness tolerance   EN 438-2.5   Thickness tolerance   EN 438-2.6   Ength and width   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 16 : ± 0.5   mm   12 5 7 < 17 < 12 : ± 0.5   mm   12 5 7 < 17 < 12 : ± 0.5   mm   12 5 7 < 17 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ± 0.5   mm   12 5 7 < 12 : ±	2	DIMENSIONAL PROPERTIES			-		
Thickness   EN 438-2.5   Thickness tolerance   EN 438-2.5   Thickness tolerance   EN 438-2.6   Ength and width   mm   16 s1 < 20 : ± 0.7   mm   2 s1 < 16 : ± 0.6   mm   15 s1 < 20 : ± 0.7   mm   2 s1 < 16 : ± 0.6   mm   15 s1 < 20 : ± 0.7   mm   2 s1 < 16 : ± 0.6   mm   15 s1 < 20 : ± 0.7   mm   2 s1 < 16 : ± 0.6   mm   2 s1 < 12 : ± 0.5   mm   mm/m   2.5 s1 : ± 1.3   mm/m   2.5 s1 < 1.5   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2 s1 < 12   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2 s1 < 12   mm/m   2 s1 < 12   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   5 s1 < 5 : ± 1.3   mm/m   2.0 s1 < 6 : ± 0.8   mm/m   2.0	2.1	Thickness			mm	2 ≤ T < 3 : ± 0,2	
2.1 Thickness   EN 438-2.5					mm	3 ≤ T < 5 : ± 0,3	
Thickness dividance					mm	5 ≤ T < 8 : ± 0,4	
22   Size					mm	8 ≤ T < 12 : ± 0,5	
2.2   Size					mm		
2.2   Size					mm		
2.2   Size					mm		
2.3   Straightness of edges   EN 438-2.7   Straightness of edges   mm/m   ≤ 1,5							
2.4   Squareness   EN 438-2.8   Squareness   mm/m   2,0 ≤ 1 ≤ 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 : 5 < 6 < 7 < 8   mm/m   2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 : 5 < 6 < 7 < 8   mm/m   2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 : 5 < 6 < 7 < 8   mm/m   2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 : 5 < 6 < 7 < 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 2,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 5,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 5,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 5,0 ≤ 1 < 6,0 : 8   mm/m   2,0 ≤ 1 < 5,0 ≤ 1,0 < 5 < 6,0 ≤ 2,2 < 6,1 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 < 6,0 ≤ 1 <	=						
2.5   Flatness	_						
Section   Sec	2.4	Squareness	EN 438-2.8	squareness			
3.2 PHYSICAL PROPERTIES  3.1 Resistance to surface wear  8.1 A 438-2.10   Wear Resistance - Initial Point   Revolutions   Unicolours - ≥ 150   Printed Décor - ≥ 125   Printed Décor - 2   Printed Décor - 2   Printed Décor - 2   Printed Décor - 2	1,-	Flatness	EN 438-2.9	Flatness (measured on full-size sheet)			
3.1 Resistance to surface wear  8.1 A38-2.10 Wear Resistance - Initial Point Revolutions Printed Décor - ≥ 125 Printed Décor - ≥ 125 mm % CGS - ≤ 5, CGF - ≤ 7 Mass Increase - 1 ≥ 5 mm % CGS - ≤ 5, CGF - ≤ 7 Mass Increase - 1 ≥ 5 mm % CGS - ≤ 5, CGF - ≤ 7 Mass Increase - 1 ≥ 5 mm % CGS - ≤ 6, CGF - ≤ 3 Thickness Increase - 2 ≤ T < 5 mm Rating CGS - ≤ 6, CGF - ≤ 3 Thickness Increase - 2 ≤ T < 5 mm Rating CGS - ≤ 6, CGF - ≤ 6 Mass Increase - 1 ≥ 5 mm Rating CGS - ≤ 6, CGF - ≤ 6 Mass Increase - 1 ≥ 5 mm Rating CGS - ≤ 6, CGF - ≤ 6 Mass Increase - 1 ≥ 5 mm Rating CGS - ≤ 2, CGF - ≤ 6 Mass Increase - 1 ≥ 6 mm Drop Increase - 1 ≥ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating CGS - ≤ 2, CGF - ≤ 6 mm Rating C	2.5						
3.1 Resistance to surface wear    Note	2	BHYSICAL DROBERTIES			mmym	10,0 5 1 : 5	
3.1   Resistance to surface wear   EN 438-2.10   Wear Resistance - Initial Point   Revolutions   Printed Décor - ≥ 125						Unicolours - > 150	
Assistance to immersion in boiling water	3.1	Resistance to surface wear	EN 438-2.10	Wear Resistance - Initial Point	Revolutions		
Resistance to immersion in boiling water	Н		EN 438-2.12	Mass increase - 2 < T < 5 mm	%		
Resistance to immersion in boiling water	1 1						
Dolling water				Thickness increase - 2 ≤ T < 5 mm	Rating		
Appearance - Other Finishes Rating ≥ 4 Appearance - Gloss Finish Rating ≥ 3 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 4 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 4 Appearance - T ≥ L % ≤ 0,30 T % ≤ 0,60 T % ≤ 0,60 Indent. dia. 10mm 2 ≤ T < 6 mm - Drop Height mm ≥ 1800 Indent. dia. 10mm T ≥ 6 mm - Drop Height mm ≥ 1800 Appearance - Smooth Finishes Rating ≥ 2 Appearance - Textured Finishes Rating ≥ 2 Appearance - Textured Finishes Rating ≥ 3 Appearance - Textured Finishes Rating ≥ 3 Appearance - Group 1 & 2 Appearance - Group 3 Rating ≥ 5 Appearance - Group 3 Rating ≥ 4 Appearance - Group 3 Rating ≥ 5 Appearance - Group 3 Rating ≥ 5 Appearance - Group 3 Rating ≥ 6 Appearance - Group 3 Rating ≥ 7 Appearance - Group 3 Rating ≥ 8 Appearance - Group 3 Rating ≥ 1,35 Appearance - Group 3 Appearance - Group 3 Rating ≥ 1,35 Appearance - Group 3 Appearance - Group 3 Rating ≥ 1,35 Appearance - Group 3 Rating B - S1, d0 Classification - T ≥ 6 mm Rating B - S1, d0 Classification - T ≥ 6 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 10 mm Rating B - S1, d0 Classification - T ≥ 1	3.2			Thickness increase - T ≥ 5 mm			
3.3 Resistance to water vapour  3.4 (160°C)  8.6 Resistance to impact with large diameter ball  3.7 Resistance to crazing  3.8 Resistance to scratching  8.8 Resistance to scratching  8.9 Resistance to staining  8.10 Light fastness (Xenon arc)  3.10 Light fastness (Xenon arc)  3.11 Flexural modulus  8.12 Fire Reaction Classification, CGF  8.13 Appearance - Gloss Finish  8.1438-2.14  Appearance - Other Finishes  8.14 Rating  2.1 Appearance - Other Finishes  8.14 Rating  2.2 Appearance - Other Finishes  8.2 L.%  5.0 Appearance - T≥  1.7 Smm  1.7 Cumulative dimensional change - T≥  1.7 Smm  1.7 Smm  1.8 Cumulative dimensional change - T≥  1.9 Cumulative dimensional change				Appearance - Gloss Finish	Rating	≥3	
Appearance - Other Finishes Rating ≥ 4 Appearance - Other Finishes Rating ≥ 3 Appearance - Gloss Finish Rating ≥ 3 Appearance - Gloss Finish Rating ≥ 3 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 4 Appearance - Other Finishes Rating ≥ 2 Appearance - Other Finishes Papearance - Other Finishes Rating ≥ 2 Appearance - Other Finishes Rating ≥ 2 Appearance - Other Finishes Papearance - Other Papearance - Oth				Appearance - Other Finishes	Rating	≥ 4	
Appearance - Other Finishes Rating ≥ 4 Appearance - Other Finishes Rating ≥ 3 Appearance - Other Finishes Rating ≥ 4 Appearance - Other Finishes Rating ≥ 5 Appearance - Othe	33	Resistance to water vanour	EN 438-2 14	Appearance - Gloss Finish	Rating	≥3	
Second	3.3	nesistance to water vapour	E11 430 2.14	**	Rating	≥4	
Dimensional stability at elevated temperatures	3.4	Resistance to dry heat	EN 438-2.16		Rating		
Dimensional stability at elevated temperatures		(160°C)			_		
elevated temperatures    EN 438-2.17		elevated temperatures	EN 438-2.17	_			
Smm         T %         ≤ 0,60           3.6         Resistance to impact with large diameter ball         EN 438-2.21         Indent. dia. 10mm 2 ≤T<6 mm - Drop	3.5						
3.6Resistance to impact with large diameter ballEN 438-2.21Indent. dia. 10mm 2 ≤T<6 mm - Dropmm≥ 14003.7Resistance to crazingEN 438-2.24AppearanceRating≥ 43.8Resistance to scratchingEN 438-2.25Appearance - Smooth FinishesRating≥ 23.9Resistance to stainingEN 438-2.26Appearance - Textured FinishesRating≥ 33.10Light fastness (Xenon arc)EN 438-2.27Appearance - Group 1 & 2Rating≥ 5Appearance - Group 3Rating≥ 43.11Flexural modulusEN 150 178StressMpa≥ 90003.12Flexural strengthEN 150 178StressMpa≥ 803.13DensityEN 150 1183Densitygm/cm³≥ 1,354FIRE PERFORMANCESTest as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)4.1Fire Reaction Classification, CGFEN 13501Classification - T ≥ 6 mmRatingB - \$1, d04.2Fire Reaction Classification, CGSEN 13501Classification - T ≥ 10 mmRatingB - \$1, d05OTHER PROPERTIESEN 438-ClassificationRatingB - \$1, d0						.,,	
3.6       large diameter ball       EN 438-2.21       Indent. dia. 10mm T≥6mm - Drop Height       mm       ≥ 1800         3.7       Resistance to crazing       EN 438-2.24       Appearance       Rating       ≥ 4         3.8       Resistance to scratching       EN 438-2.25       Appearance - Smooth Finishes       Rating       ≥ 2         Appearance - Textured Finishes       Rating       ≥ 3         Appearance - Group 1 & 2       Rating       ≥ 5         Appearance - Group 3       Rating       ≥ 4         3.10       Light fastness (Xenon arc)       EN 438-2.27       Contrast       Grey scale rating       4 to 5         3.11       Flexural modulus       EN ISO 178       Stress       Mpa       ≥ 9000         3.12       Flexural strength       EN ISO 178       Stress       Mpa       ≥ 80         3.13       Density       EN ISO 1183       Density       gm/cm³       ≥ 1,35         4       Fire Reaction Classification, CGF       EN 13501       EN 13501       Classification - 3 ≤ T < 6 mm							
3.7 Resistance to crazing EN 438-2.24 Appearance Rating ≥ 4  3.8 Resistance to scratching EN 438-2.25 Appearance - Smooth Finishes Rating ≥ 2  Appearance - Textured Finishes Rating ≥ 3  3.9 Resistance to staining EN 438-2.26 Appearance - Group 1 & 2 Rating ≥ 5  Appearance - Group 1 & 2 Rating ≥ 5  Appearance - Group 3 Rating ≥ 4  3.10 Light fastness (Xenon arc) EN 438-2.27 Contrast Grey scale rating 4 to 5  3.11 Flexural modulus EN ISO 178 Stress Mpa ≥ 9000  3.12 Flexural strength EN ISO 178 Stress Mpa ≥ 80  3.13 Density EN ISO 1183 Density gm/cm³ ≥ 1,35  4 FIRE PERFORMANCES Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)  4.1 Fire Reaction Classification, CGF  Fire Reaction Classification, CGF  EN 13501 EN 13501 Classification - 3 ≤ T < 6 mm Rating B - s2, d0  Classification - T ≥ 6 mm Rating B - s1, d0  Classification - T ≥ 10 mm Rating B - s1, d0  Classification - T ≥ 10 mm Rating B - s1, d0  Classification - T ≥ 10 mm Rating B - s1, d0  Classification - T ≥ 10 mm Rating B - s1, d0  EN 438- Classification - T ≥ 10 mm Rating B - s1, d0  The PROPERTIES  5.1 Release of Formaldehyde EN 438- Classification  EN 438- Classification Rating E1	3.6		EN 438-2.21				
3.8     Resistance to scratching     EN 438-2.25     Appearance - Smooth Finishes     Rating     ≥ 2       3.9     Resistance to staining     EN 438-2.26     Appearance - Textured Finishes     Rating     ≥ 3       3.10     Light fastness (Xenon arc)     EN 438-2.27     Contrast     Grey scale rating     4 to 5       3.11     Flexural modulus     EN ISO 178     Stress     Mpa     ≥ 9000       3.12     Flexural strength     EN ISO 178     Stress     Mpa     ≥ 80       3.13     Density     EN ISO 1183     Density     gm/cm³     ≥ 1,35       4     FIRE PERFORMANCES     Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)       4.1     Fire Reaction Classification, CGF     EN 13501     Classification - 3 ≤ T < 6 mm			FN: 430 3 34				
Resistance to scratching	3./	Resistance to crazing	EN 438-2.24	- Alexander			
3.9       Resistance to staining       EN 438-2.26       Appearance - Group 1 & 2       Rating       ≥ 5         3.10       Light fastness (Xenon arc)       EN 438-2.27       Contrast       Grey scale rating       4 to 5         3.11       Flexural modulus       EN ISO 178       Stress       Mpa       ≥ 9000         3.12       Flexural strength       EN ISO 178       Stress       Mpa       ≥ 80         3.13       Density       EN ISO 1183       Density       gm/cm³       ≥ 1,35         4       FIRE PERFORMANCES       Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)         4.1       Fire Reaction Classification, CGF       EN 13501       Classification - 3 ≤ T < 6 mm	3.8	Resistance to scratching	EN 438-2.25				
Appearance - Group 3   Rating   ≥ 4	3.9	Resistance to staining	EN 438-2.26				
3.10 Light fastness (Xenon arc)         EN 438-2.27 Contrast         Grey scale rating         4 to 5           3.11 Flexural modulus         EN ISO 178 Stress         Mpa         ≥ 9000           3.12 Flexural strength         EN ISO 178 Stress         Mpa         ≥ 80           3.13 Density         EN ISO 1183 Density         gm/cm³         ≥ 1,35           4 FIRE PERFORMANCES         Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)           4.1 Fire Reaction Classification, CGF         EN 13501 Classification - 3 ≤ T < 6 mm							
3.11         Flexural modulus         EN ISO 178         Stress         Mpa         ≥ 9000           3.12         Flexural strength         EN ISO 178         Stress         Mpa         ≥ 80           3.13         Density         EN ISO 1183         Density         gm/cm³         ≥ 1,35           4         FIRE PERFORMANCES         Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)           4.1         Fire Reaction Classification, CGF         EN 13501         Classification - 3 ≤ T < 6 mm	3,10	Light fastness (Xenon arc)	EN 438-2.27				
3.12         Flexural strength         EN ISO 178         Stress         Mpa         ≥ 80           3.13         Density         EN ISO 1183         Density         gm/cm³         ≥ 1,35           4         FIRE PERFORMANCES         Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)           4.1         Fire Reaction Classification, CGF         EN 13501         Classification - 3 ≤ T < 6 mm	-						
3.13         Density         EN ISO 1183         Density         gm/cm³         ≥ 1,35           4         FIRE PERFORMANCES         Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)           4.1         Fire Reaction Classification, CGF         EN 13501         Classification - 3 ≤ T < 6 mm         Rating         B - s2, d0           4.2         Fire Reaction Classification, CGS         EN 13501         Classification - T ≥ 6 mm         Rating         D - s1, d0           5         OTHER PROPERTIES           5.1         Release of Formaldehyde         EN 438-         Classification         Rating         E1	-						
4         FIRE PERFORMANCES         Test as per EN 13823 (SBI test) and EN ISO 11925-2 (Small-burner test)           4.1         Fire Reaction Classification, CGF         EN 13501         Classification - 3 ≤ T < 6 mm	-						
Fire Reaction Classification, CGF  EN 13501  Classification - $3 \le T < 6 \text{ mm}$ Rating  B - s2, d0  Classification - $T \ge 6 \text{ mm}$ Rating  B - s2, d0  Classification - $T \ge 6 \text{ mm}$ Rating  B - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  D - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s2, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s2, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  B - s1, d0  Classification - $T \ge 10 \text{ mm}$ Rating  EN 438-  Classification - $T \ge 10 \text{ mm}$ Rating  EN 438-	-						
4.1 CGF Classification - T ≥ 6 mm Rating B - s1, d0  4.2 Fire Reaction Classification, CGS EN 13501 Classification - 6 ≤ T < 10 mm Rating D - s1, d0  Classification - T ≥ 10 mm Rating B - s1, d0  5 OTHER PROPERTIES  5.1 Release of Formaldehyde EN 438- Classification Rating E1	4.1	Fire Reaction Classification,	EN 13501				
4.2 CGS EN 13501 Classification - T ≥ 10 mm Rating B - s1, d0  5 OTHER PROPERTIES  5.1 Release of Formaldehyde EN 438- Classification Rating E1							
Classification - T ≥ 10 mm Rating B - s1, d0  5 OTHER PROPERTIES  5.1 Release of Formaldehyde EN 438- Classification Rating E1	4.2		EN 13501	Classification - 6 ≤ T < 10 mm	Rating	D - s1, d0	
5.1 Release of Formaldehyde EN 438- Classification Rating E1				Classification - T ≥ 10 mm	Rating	B - s1, d0	
5.1   Kelease of Formaldenyde     Classification   Kating   E1	5	OTHER PROPERTIES					
7.4.11.1	5.1	Release of Formaldehyde	EN 438-	Classification	Rating	F1	
	3.1	nelease of Formalderlyde	7.4.11.1	WINDOWS TO STATE OF THE PARTY O	roung		

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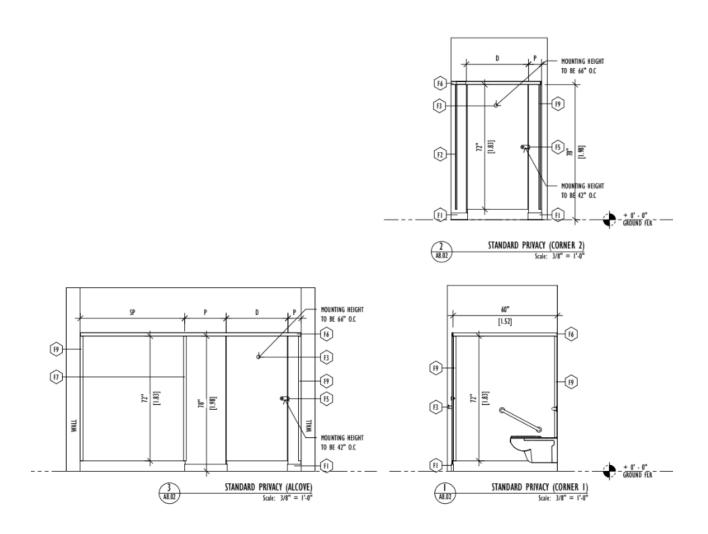
## **Technical Data Sheets**

Standard Privacy Elevations



Boreal Compact Laminate
Solid Phenolic Partition Material



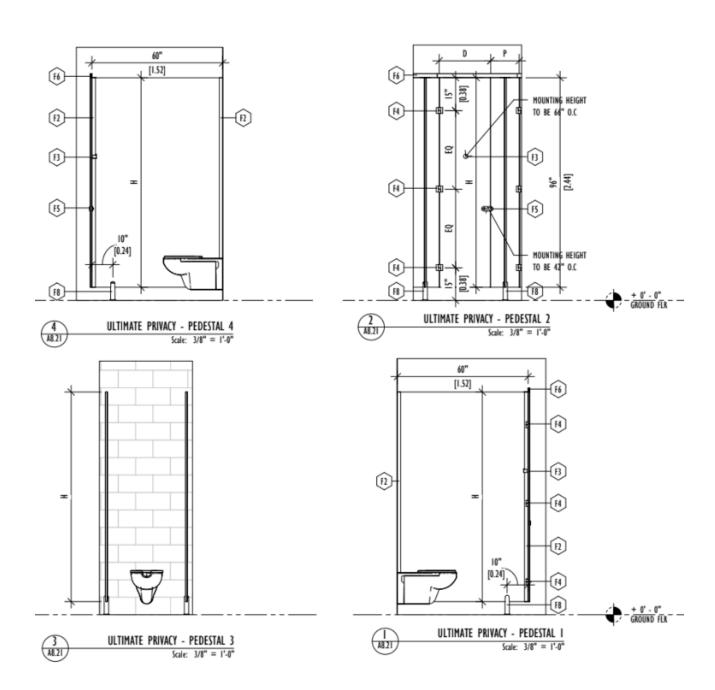


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#### **Technical Data Sheets**

Full-Privacy Elevations



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