



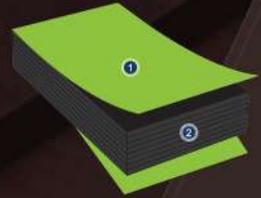
COMPACT LAMINATE

Interior
Chemtop
Exterior



ELEX

COMPACT LAMINATE



- 1 Coloured paper impregnated with Melamine Resin
- 2 Layers of kraft paper impregnated with Phenolic Resin

Features



No toxic & totally hygienic



Resistant to moisture & steam



Resistant to heat & cigarette burns



Self supporting & Long term stability



Strong resistance to scratch & impact

more...



HPL Lockers



Vanities

ELEX Laminat was founded in 2015 with the premise to deliver Laminate anywhere in Turkey. A warehouse system located in Istanbul responds to diverse market conditions and maintains a vast inventory of laminate within reach of our customers. Elex Laminat only sells high quality laminates with readily available solid colors and patterns.

ELEX High Pressure Compact Laminate is a solid and durable decorative building material. It is consist of layers of specially treated papers impregnated with synthetic resin and pressed under heat and high temperature. The surface layer is decorative paper impregnated with melamine-based resins. The core layer is made up of layers of quality kraft papers impregnated with phenolic-based resins.

ELEX Phenolic Compact Laminate is an extremely versatile material with excellent mechanical properties. It is ideal for use in areas subject to intensive use, and applications as vertical and horizontal surfaces where design, hygiene and durability are highly demanded.

ELEX Phenolic Compact Laminate is available in a variety of colors, finishes and patterns for the decor layer. It has also a comprehensive range of sheet sizes and thicknesses for different applications. Specific applications may include partitions, cubicles, lockers, industrial worktops, fumitures and etc.

ELEX Phenolic Compact Laminate is recommended for interior use only. However, **ELEX** Exterior Panels for outdoor use and Chemtop for Laboratory benchtops are also available and produced in some specific colors. Please enquire our sales team for more information.



Design and manufacture of compact grade laminate boards, kitchen furniture, lockers and cubicles system products (product/activity area, address refer to accessories)



On the basis of the referenced test reports, the samples of the company with the relevant hardware identified in the referenced test reports have been carried out. The manufacturer may indicate compliance to said standards by signing a declaration and keep the documentation according to the rules of the applicable standard changes of the standards if relevant. Additional requirements may be additional directions or local laws.

Applicant Name & Address: Shenzhen Risewell Industry Co., Ltd. 6th Building, Longan Industry Park, Shaoan District, Shenzhen, China, 518105

Product(s) Tested: Compact laminate panel

Standards: Reaction to fire Class B-s1, d0; Smoke of toxic products Class 0; EN 438-2:2008 - High-pressure - (Based on European Laminates) - Part 7: Compact panels for interior and exterior

Verification bearing Office Name & Address: Same as Legal Entity

Verification/Report Number(s):

NOTE 1: This verification is part of the ISO 9001:2015 Release of formaldehyde and No. 102

The verification is for the application of the standards in the referenced test reports. It does not constitute a guarantee of the quality of the product or the reliability of the information provided in the test reports. The user is advised to verify the product and the information provided in the test reports before using it.

Intertek Test Verification logo

SGS logo

CE mark

EN 438-2:2008 - High-pressure - (Based on European Laminates) - Part 7: Compact panels for interior and exterior

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HPL Table Tops

Toilet Cubicles System

Wall Paneling System

SPECIFICATION



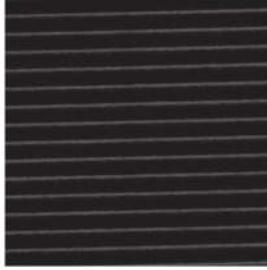
R



H



X



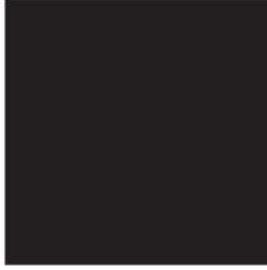
C



L



T



M



G

Available Sizes

46	4'X6'=1220X1830	56	5'X6'=1525X1830	66	6'X6'=1830X1830
48	4'X8'=1220X2440	50	5'X10'=1525X3050	68	6'X8'=1830X2440
40	4'X10'=1220X3050	52	5'X12'=1525X3660	62	6'X12'=1830X3660
4 ³ 0	4.3'X10'=1310X3050				
42	4'X12'=1220X3660				

Thickness

1.6-25mm Most produced : 2, 3, 4, 5, 6, 8, 10, 12, 13, 16, 18, 19, 20, 25

Notes : R, H, X, C, L are available in size 48 only. M is available in sizes 48, 4³0, 42, 50.

G is available in sizes 46, 48, 40, 42, 56, 52, 66, 62. T is available in all sizes.

PERFORMANCE

Properties	Value	Unit	Standard
Specifications, Dimensional Tolerances			
Thickness	2.0 ≤t < 3.0mm :±0.20mm 3.0 ≤t < 5.0mm :±0.30mm 5.0 ≤t < 8.0mm :±0.40mm 8.0 ≤t < 12.0mm :±0.50mm 12.0≤t < 16.0mm :±0.60mm 16.0≤t < 20.0mm :±0.70mm 20.0≤t < 25.0mm :±0.80mm 25.0mm≤t: to be agreed between supplier and customer. (T=nominal thickness)	mm(max,)	Test method (EN 438-2:2005 Clause no.5)
Flatness	2.0≤t < 6.0mm :8.0mm/m 6.0≤t < 10.0mm :5.0mm/m 10.0mm≤ t 3.0mm/m (T=nominal thickness)	mm/m(max,)	Test method (EN 438-2:2005 Clause no.9)
Physical Properties			
Density weight	≥1350	kg/m ³	ISO1183
> Thickness 6mm	8,7	kg/m ²	ISO1183
> Thickness 8mm	11,6	kg/m ²	ISO1183
> Thickness10mm	14,5	kg/m ²	ISO1183
> Thickness 12mm	17,5	kg/m ²	ISO1183
Optical Properties			
Immersion in boiling water (100 °C water for 2 hours)			
> Mass increase	0,3	%	EN 438-2
> Thickness increase	0,5	%	EN 438-2
> Appearance	4	Rating	EN 438-2
Thermal conductivity	=0.23	W/(m k)	EN 438-2
Mechanical Properties			
Modulus of elasticity	> 10000	Mpa	ISO 178
Flexural strength	≥100	Mpa	ISO 178
Tensile strength	≥70	Mpa	ISO 527-2
Scratch resistance	≥3	Rating	EN 438-2
Resistance to crazing	≥4	Rating	EN 438-2
Face screw-holding	> 5000	N	ISO13894-1:2000
Water vapour permeability	Wet cup:110,dry cup:250	μ	ISO12572
Resistance to cigarette burns	≥3	Rating	EN 438-2
Abrasion Testing	144.5	mg	EN 438-2 : 10
Impact Resistance	90.4J	MBFE	ASTM D 256-06a
Linear expansion with change in moisture content	0.0065%	/	ASTM D 1037-06a section 24
Fire Classification			
Reaction to fire	Type FR=12mm Euroclass B-s1,d0		EN 13501-1
Release of formaldehyde	Class E1		
Factory Production Control (FPC)	ISO9001		

WOOD GRAINS II



21195 Wallis P



23000 Fran Oak



22017 Swiss Elm



20096 Origin Cherry



21013 Black Oak



20001 Red Elm



23002 Ash Tree



22601 Walker



21879 Mao Walnut



21199 W Plum



22005 Thai Teak



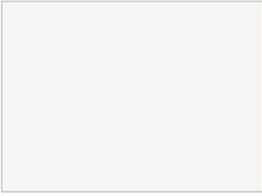
21105 North Walnut



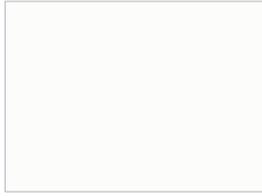


The joy of
PLAIN

PLAINS



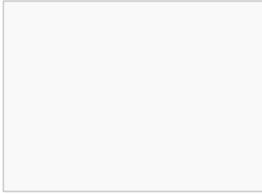
1949 Titan White



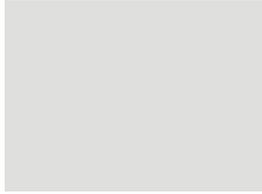
1922 Song White



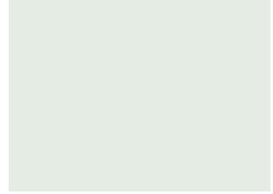
1933 Mission White



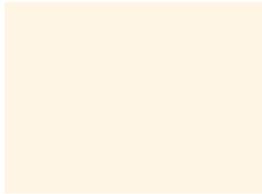
1459 Snow White



1927 Light Grey



1433 Pea Green



1932 Antique White



1983 Rice Yellow



1899 Yellow Pear



1925 Champagne



1928 Mouse Grey



1912 Storm



1307 Olive Green



1710 Lake Blue



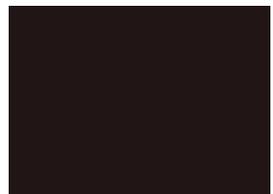
1368 Deep Green



1069 Active Green



1879 Shine Green



1022 Dark Chocolate

PLAINS



1909 Black



1803 Red Date



1477 Green



1845 Spectrum Red



1795 Orange



1448 Yellow



1919 Purple Lauren



1859 Rose Pink



1631 Light Green



1851 Spectrum Blue



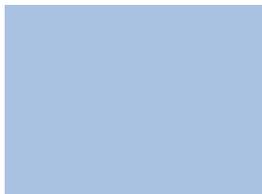
1884 China Blue



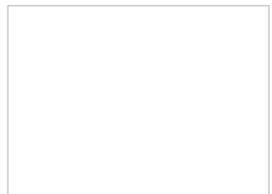
1827 Pink



1449 Lapis



1231 Silent Blue



METALS



3746 Silver Drawbench



3748 Corrugated Aluminum



3801 Verti Drawbench

The touch of
METAL



The nature of
WOOD

WOODSUN

WOOD GRAINS I



29571 Amber Maple



29573 White Oak



29116 Multi



22567 Copper Beech



29576 Grey Drawbench



28576 Cherry



29197 Bamboo



24045 Country Oak



22904 Wild Cherry



23421 Hariteak



23426 Haristee



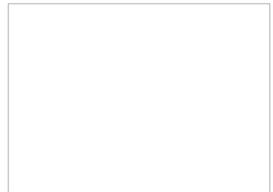
28578 Sapele



27188 Walnut



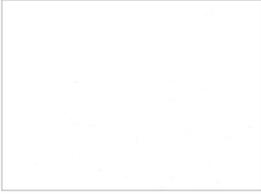
29578 Mali Wenge





The Inspiration of
FEATURE

PATTERNS



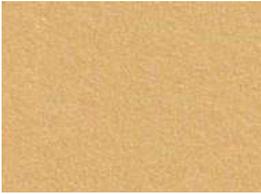
4704 Mettalwhi



4837 Crackpin



4355 Diamond



4771 Mettalviel



4117 Crackpor



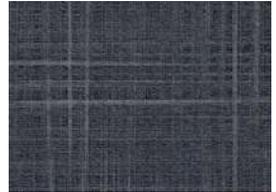
4719 Ostri



4705 Mettalblu



4116 Star Stone



4720 Cross



4026 Relevant



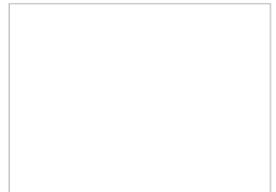
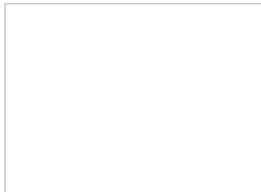
4206 Sesame Black



4137 Ripple



4284 Horsetail



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