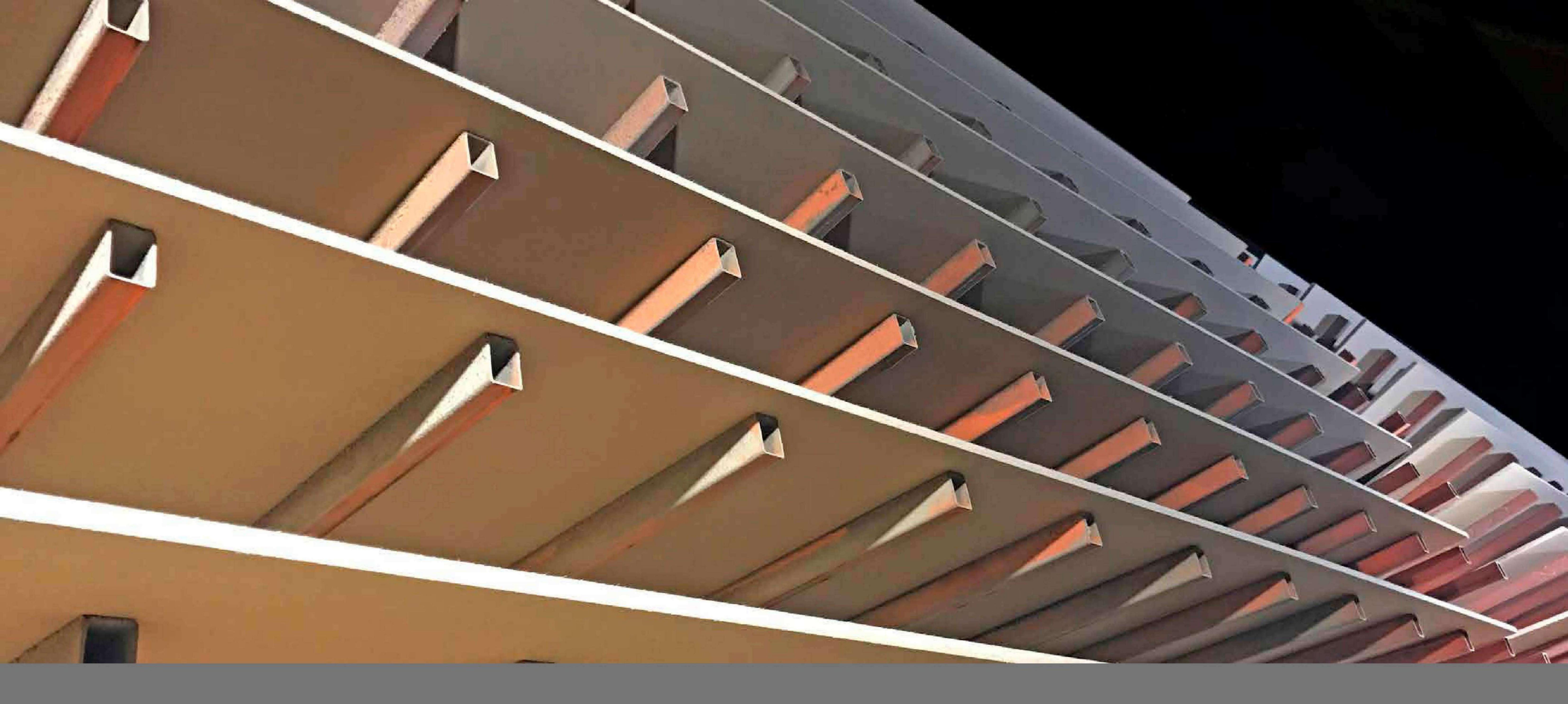
## NEW JOURNEY INNOVATIVE ELEX COMPACT FIBERBOARD



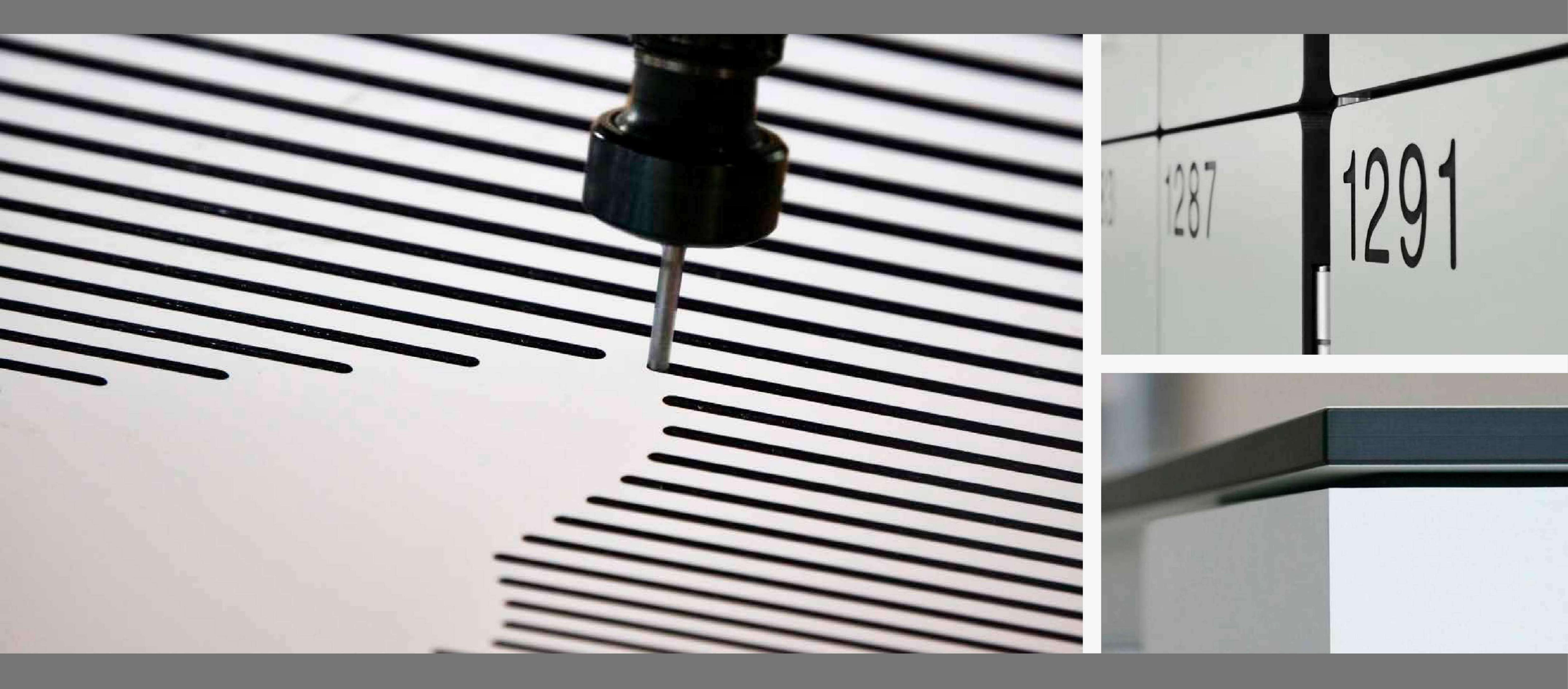




# ELEX Compact Fiberboard



ELEX Compact FiberBoard is an innovative, robust, and hight density ( > 1250 kg/m<sup>3</sup>) wood based fiberboard. The raw core is black colored and made up of wood fibers impregnated with thermosetting resin. The surface layer(s) on both sides are decor papers, having decorative colors or designs that are impregnated with melamine based resin. These two components are bonded together under high pressure and temperature to obtain an integrated decorative material.











Mould proof



Scratch-proof



Stain resistant



Wear resistant





Free maintenance



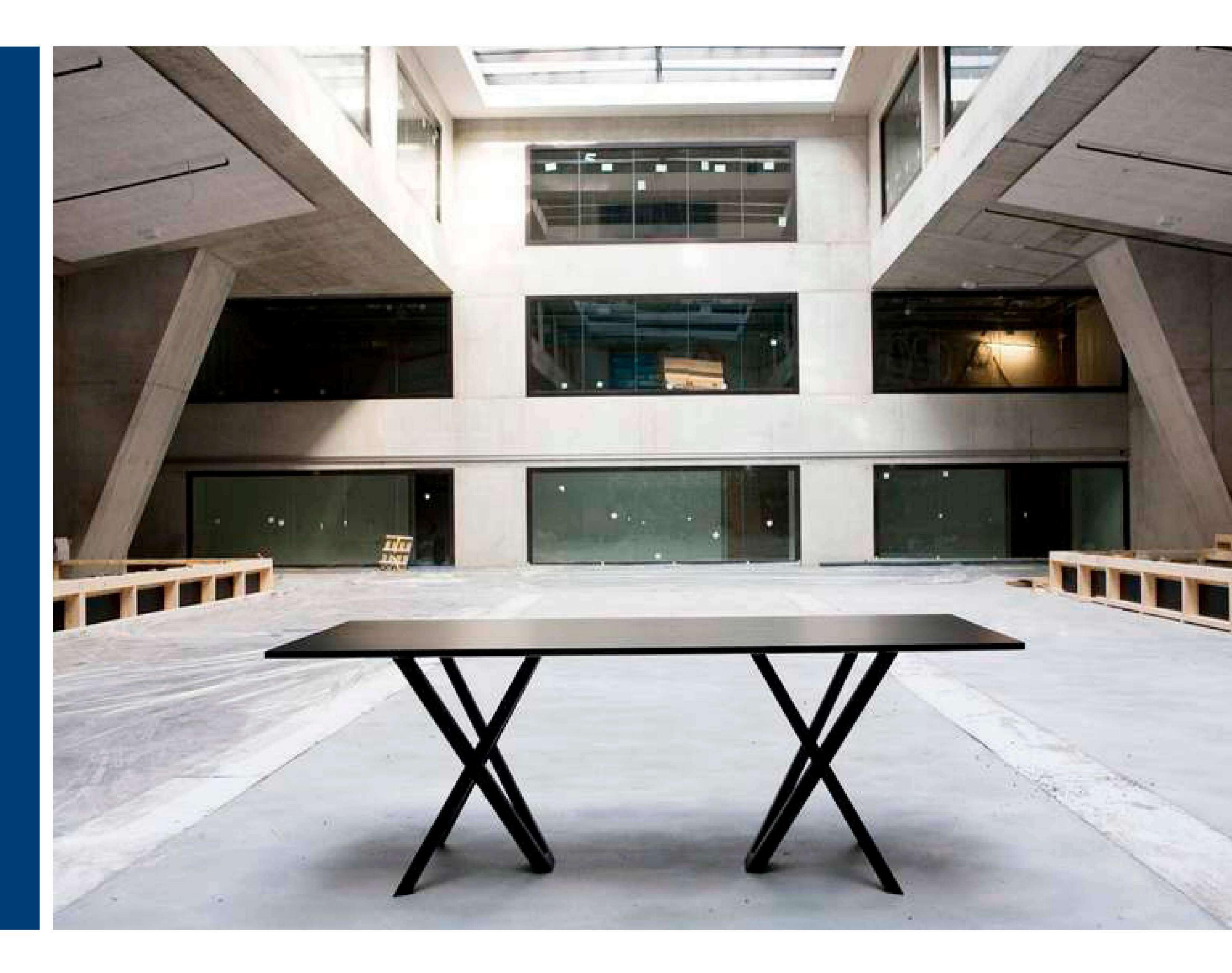
Machining friendly



Various surface

### Application

ELEX<sup>®</sup> Compact Fiberboard can be used as extremely strong supporting board. Thanks to its distinctive black coloring and the compact density core, the board has excellent machinability into the depth of the panel to create unique furniture and building design. It can also be used as an attractive surface by its versatile melamine resin treated decors.





# **Architectural Creation**

Art Design Exhibition Partition Wall Liner



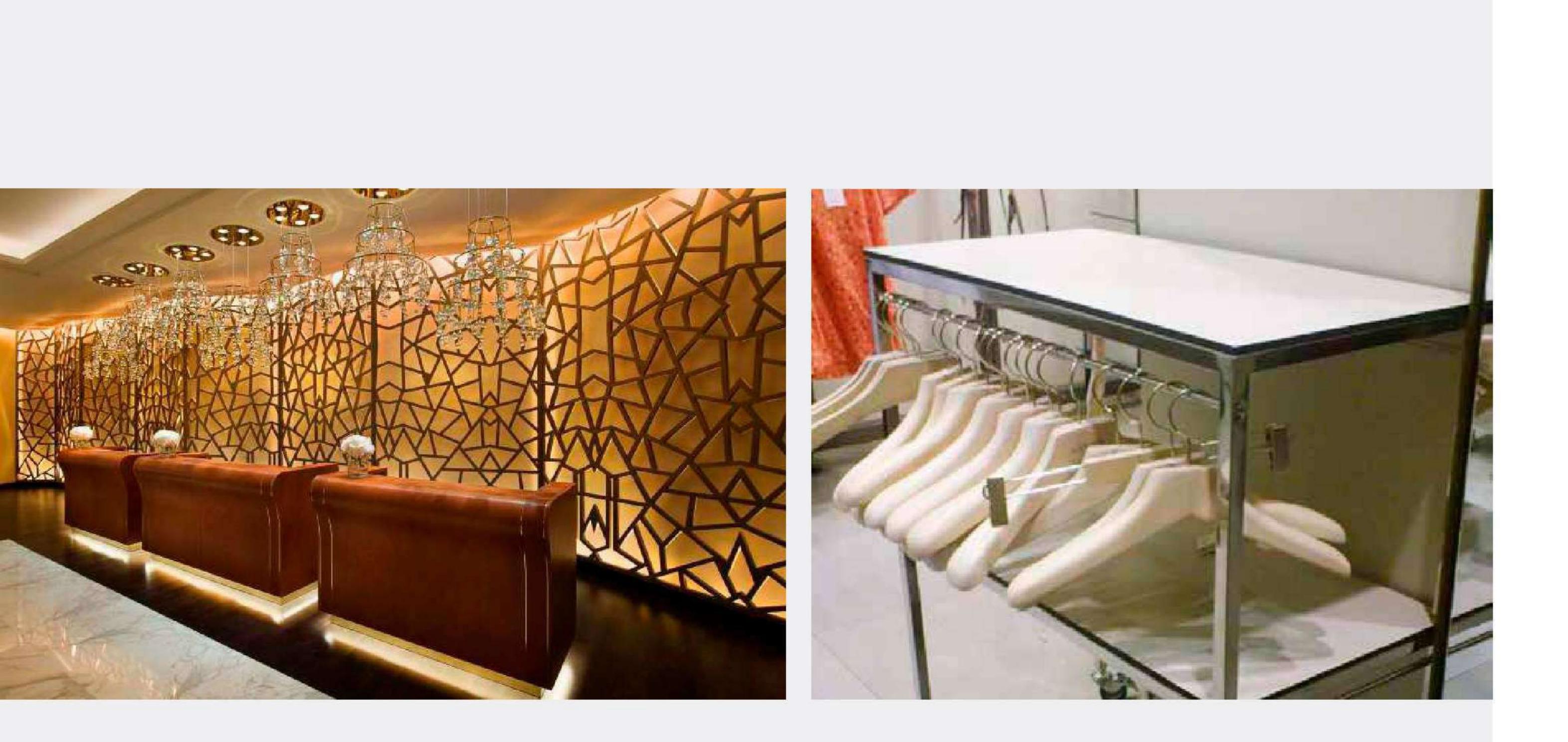




# **Innovative Furniture**

Educational Office Hospital Public





## **Commercial Design**

Restaurant Hotel Retail

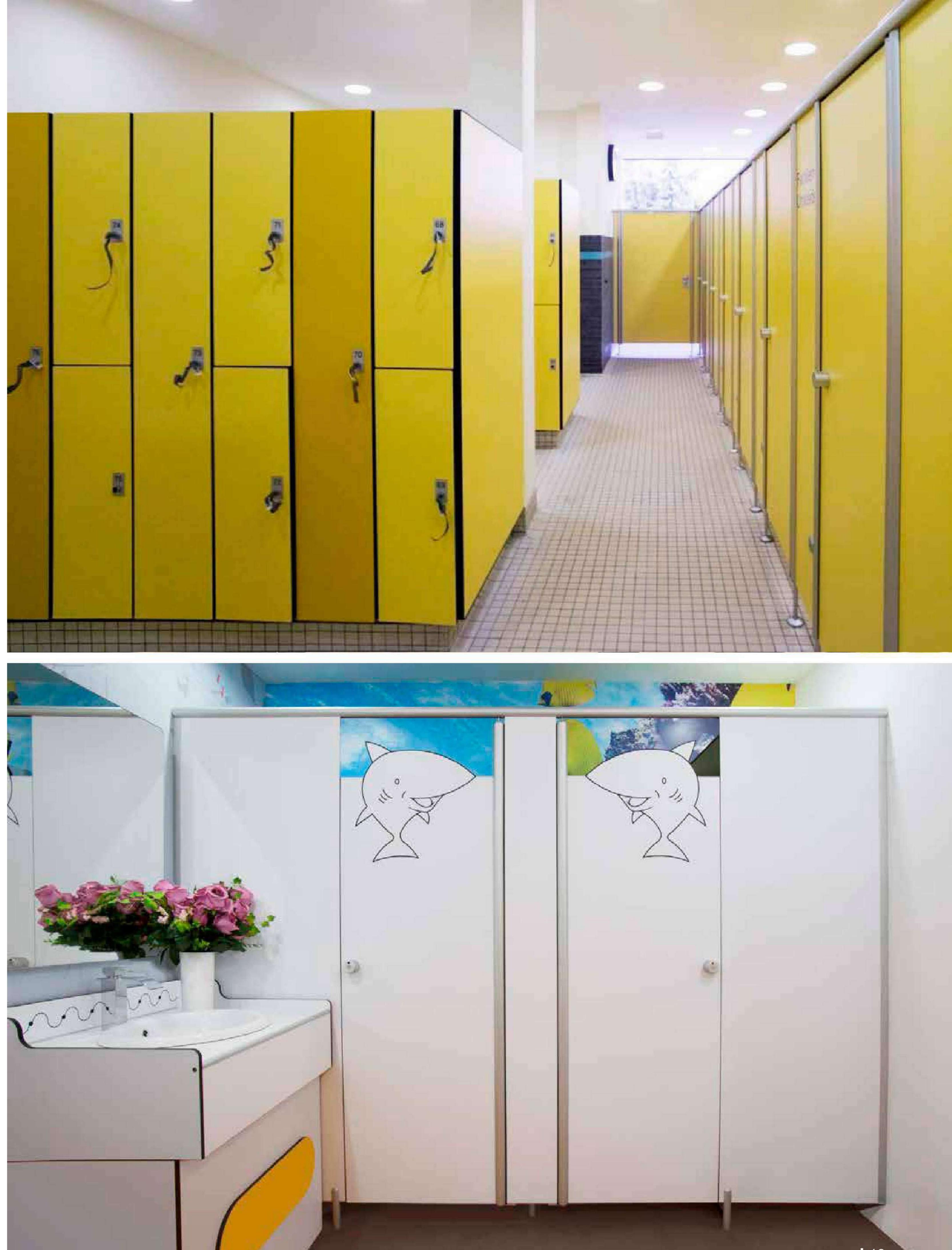




### **Restroom Solution**

### **Toilet Cubicle** Locker Sanity Cabinet





# **Testing** Standard & result

### Technical data of ELEX Compact Fiberboard (raw core)

(acc.to EN 622-5: Fiberboards-requirements for the boards after drying process MDF)

Testing Parameter	Test Result	Unit	Requirement	Ι	Standard
Panel thickness	8/9/10/12/13	mm	/		EN 324
Thickness tolerance	±0.2	mm	±0.2		EN 324
Raw Density	>1250	kg/m³	> 800		EN 323
Internal bond strength	>4.0	N/mm2	>0.6		EN 319
Flexural strength	>70	N/mm2	>22		EN 310
Flexural elasticity module	>6500	N/mm2	>2500		EN 310
Surface soundness	> 3.5	N/mm2	> 1.0		EN 311
Thermal conductivity	0.182	W/(m·K)	0.14		EN 13986
Moisture content	8	%	4-11		EN 322
Swelling in thickness 24H	< 3.6	%	< 15		EN 317
Formaldehyde Emission	E1		E1		EN 13986
Fire classification	B-s1, d0		B2		EN 13501

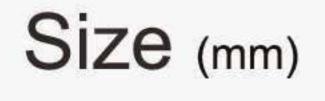
### Technical data of ELEX Compact Fiberboard (decor panel)

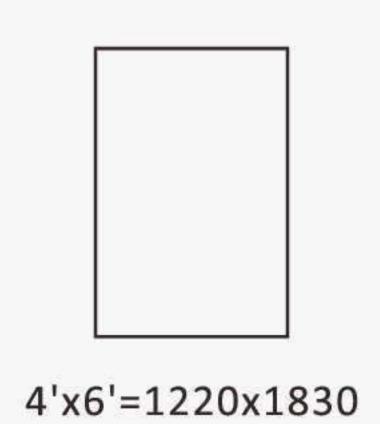
(acc.to EN 14323: Melamine-coated boards for indoor applications)

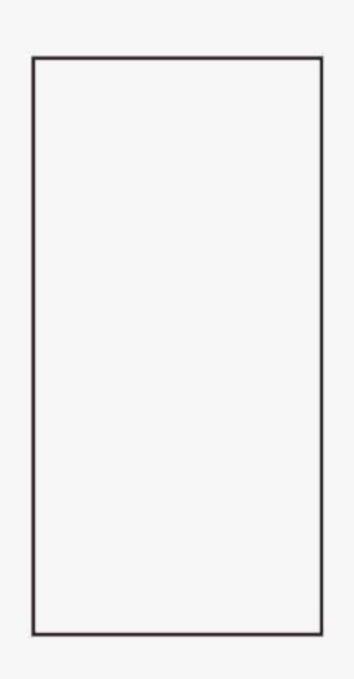
Testing Parameter	Test Result	Scale	Evaluation	Standard
Surface Abrasion	900	Revolution	High	EN 14323
Resistance to water vapour	5	1-5 (5 is the best)	Very high	EN 14323
Resistance to scratching	No visible marks after scratching with 4N	Visual	High	EN 14323
Resistance to cracking	5	1-5 (5 is the best)	Very high	EN 14323
Resistance to impact by large diameter steel ball	No visible cracking after impact with height of 200cm	Visual	High	EN 14323
Resistance to staining	5	1-5 (5 is the best)	Very high	EN 438-2
Light fastness	4.5		High (grey scale)	EN 14323
Formaldehyde emission	E1		E1	EN 13986
REACH	< 0.1%	(W/W)		I Regulation(EC) 7/2006 173 (SVHC)

# Specification

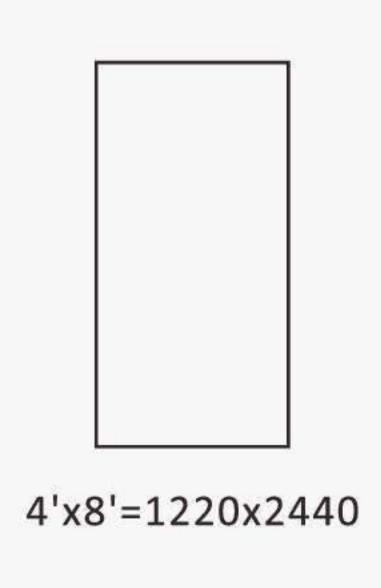
### Structure

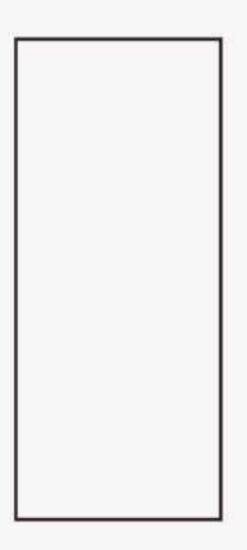






6'x12'=1830x3660

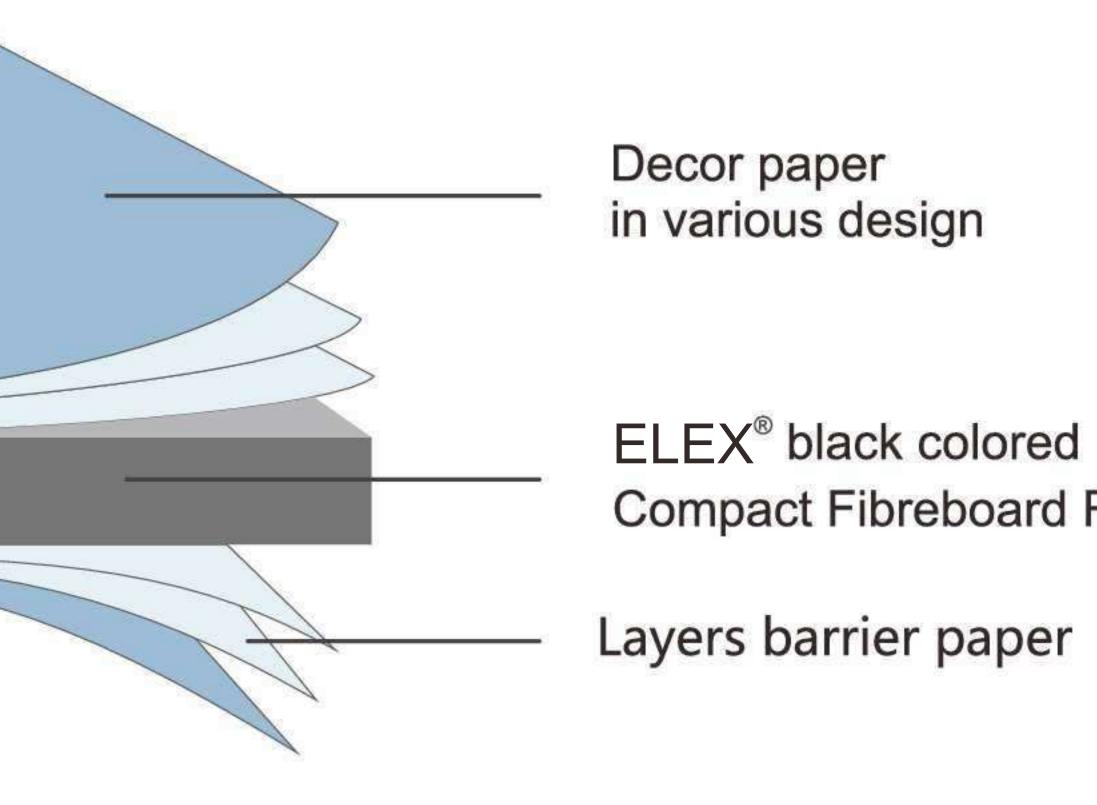




4.3'x10'=1300x3050

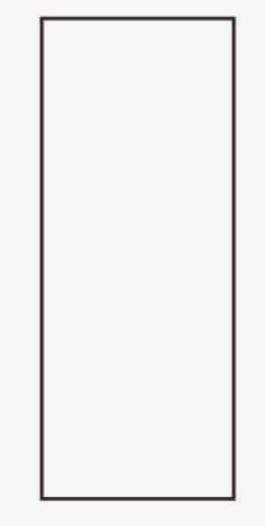
### Thickness (mm)



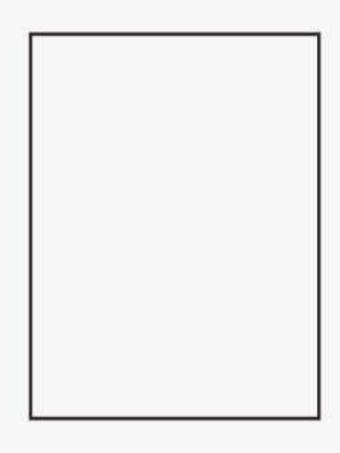


Decor paper in various design

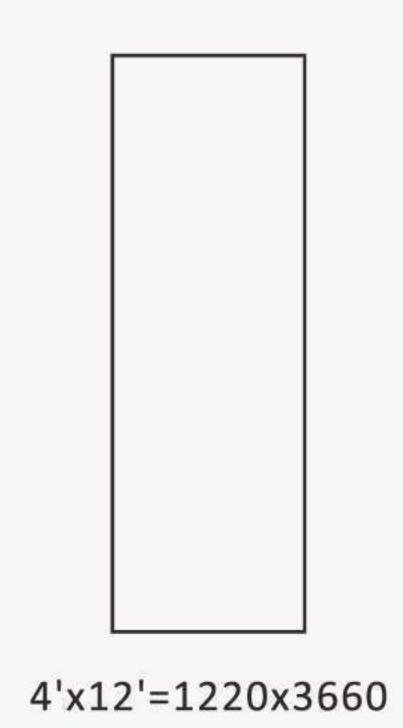
ELEX<sup>®</sup> black colored Compact Fibreboard RAW CORE

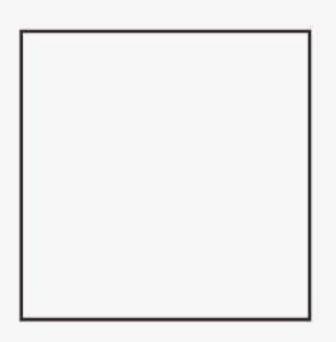


4'x10'=1220x3050



6'x8'=1830x2440





6'x6'=1830x1830



13

### Color Plain



1932 Antique White

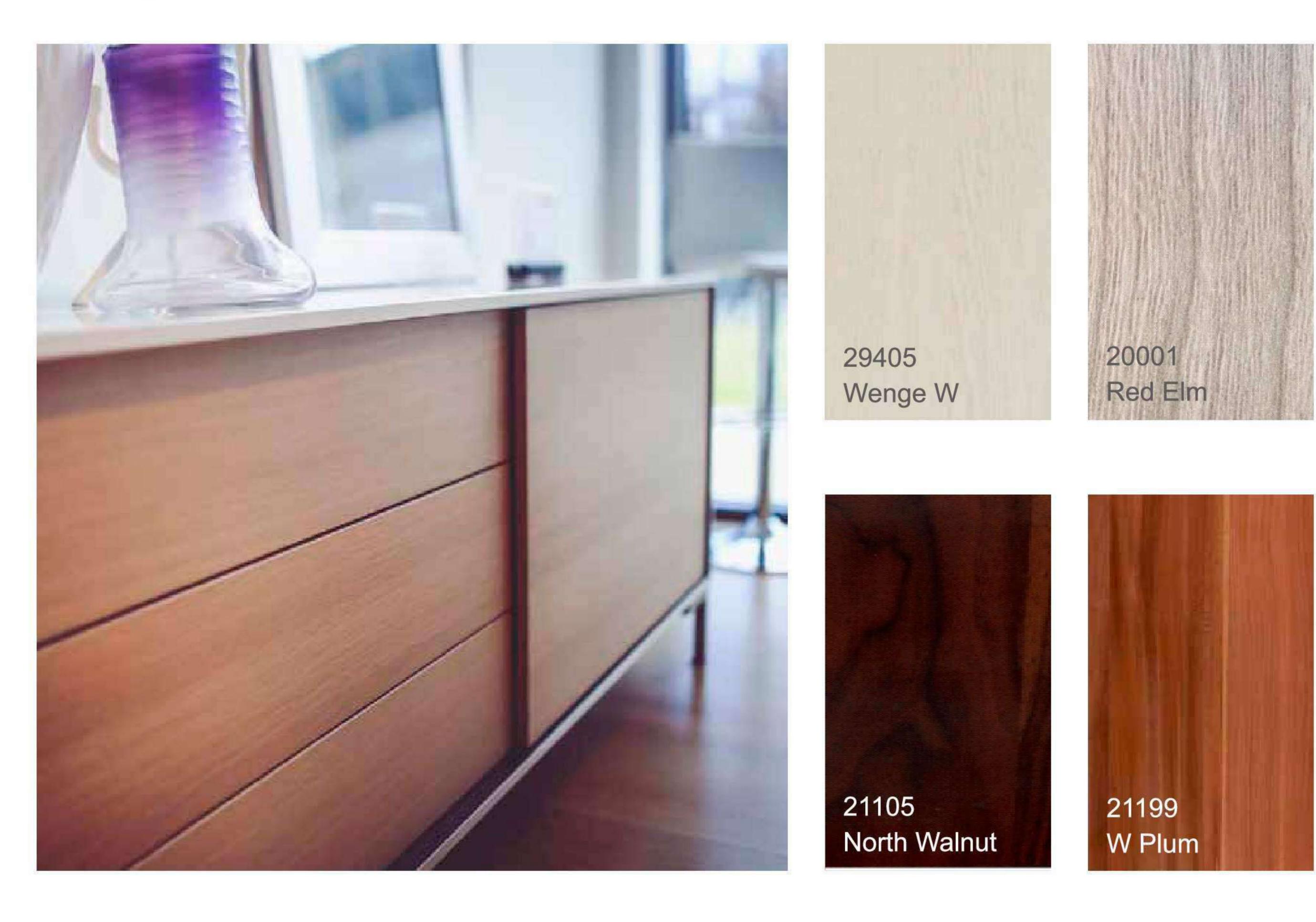
1905 Oyster Grey 1963 Khaki

**Mission White** 

1933

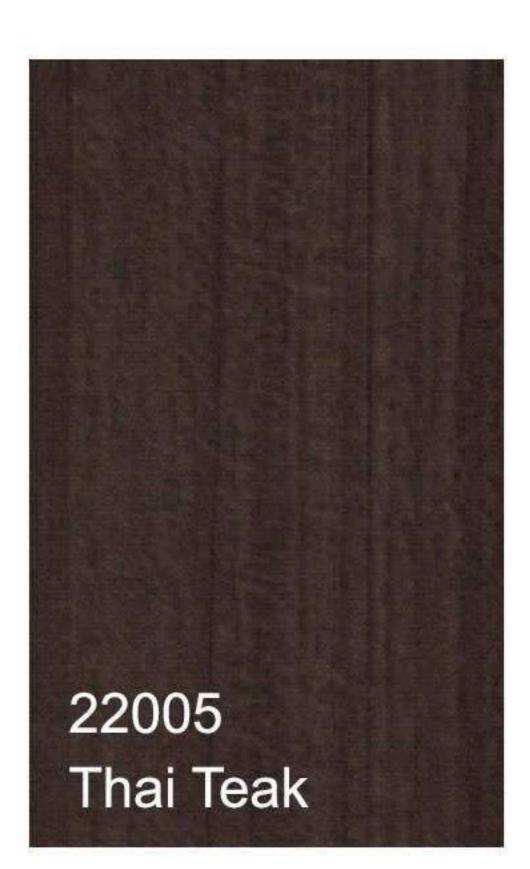


### Woodgrain

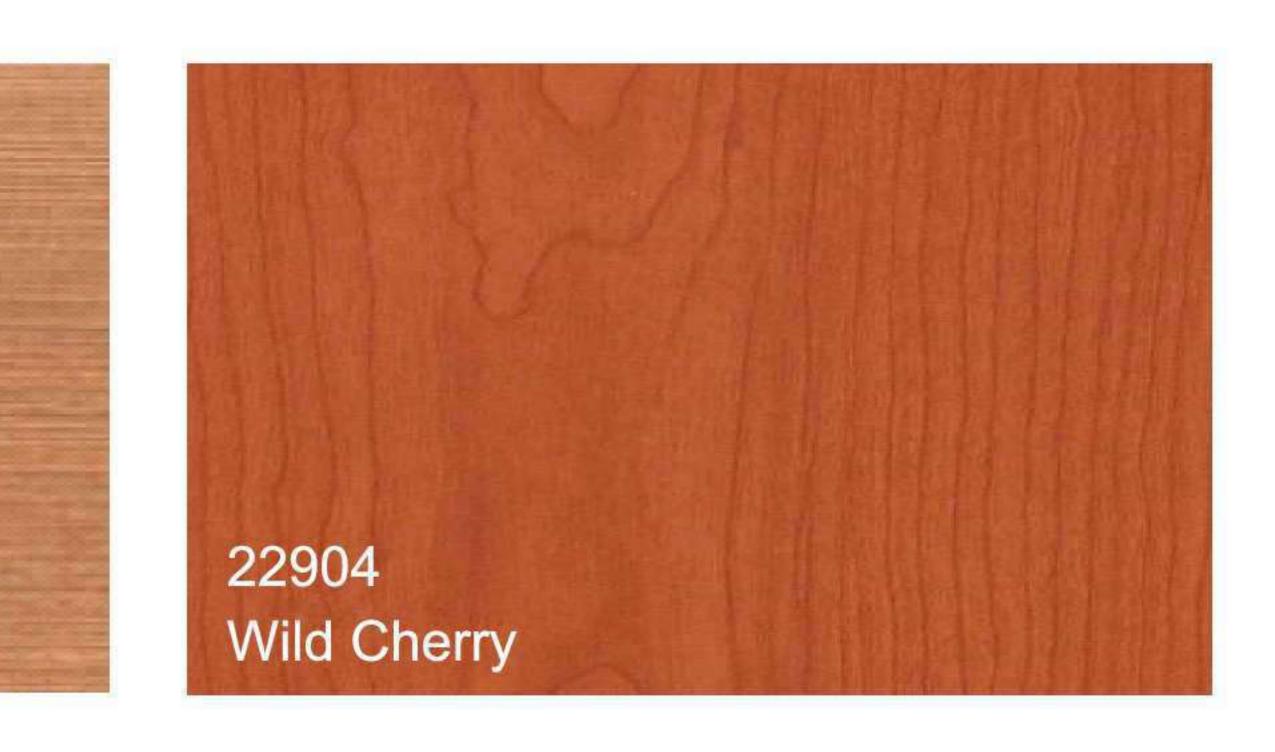












### Eco-Friendly

Compact FirberBoard are sheets consisting of wood fibers impregnated with synthetic resin, pressed by two sides decor paper of melamine resin treated.



ELEX<sup>®</sup> Compact FirberBoard is a natural material made of ( wood that originates from sustainably managed forests.

ELEX<sup>®</sup> Compact FirberBoard is produced according to ecological principles. The process saves CO<sub>2</sub> and protects the environment.

ELEX<sup>®</sup> Compact FirberBoard is cured and chemical inserted. However, the Volatile Organic Compounds (VOC) emission from the surface and the core are very low due to its bonding production technique.

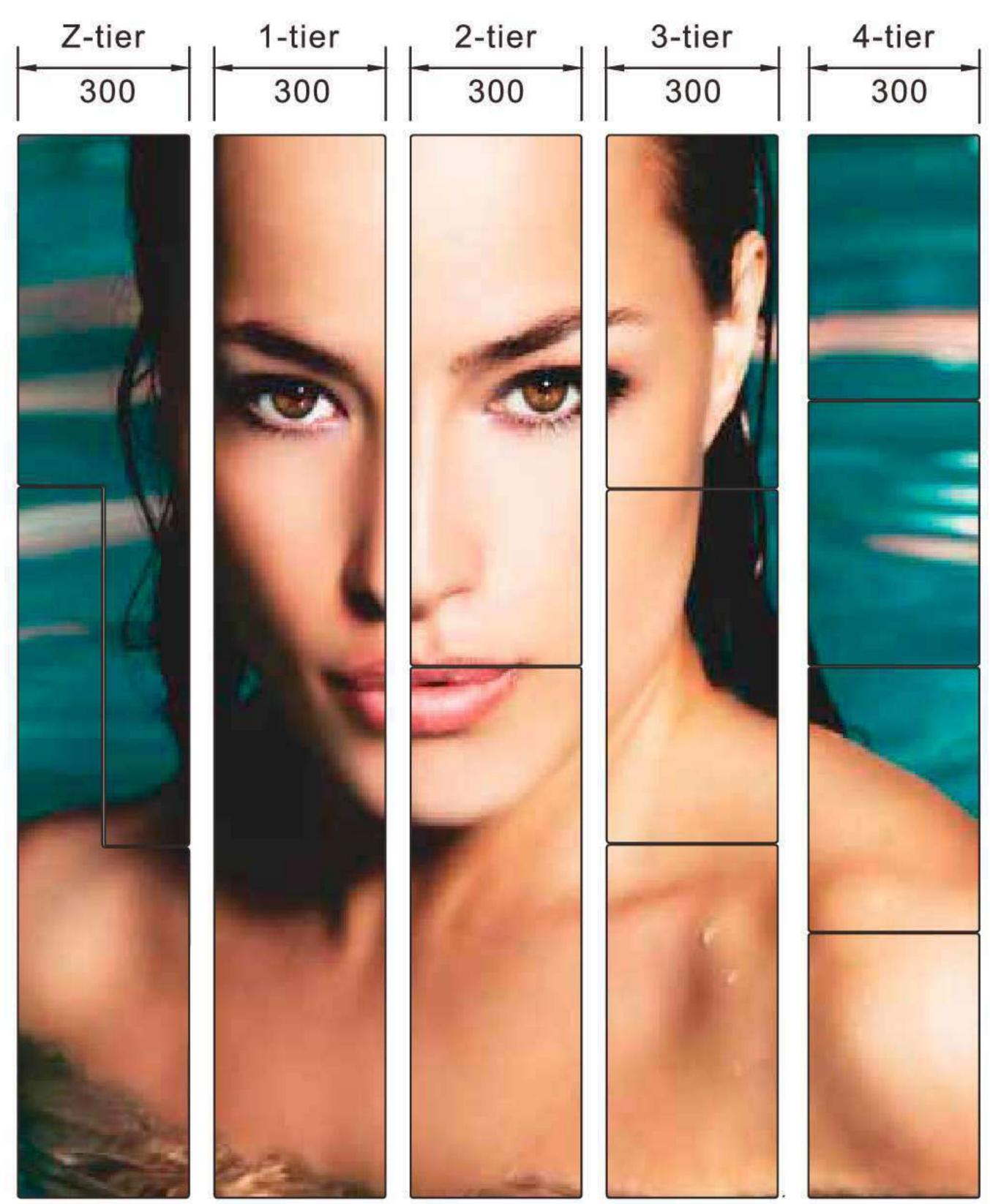




Certification under apply.

### Design Edge





ELEX<sup>®</sup> offers a wide range of designs in respect of colors, patterns, textures, and individual concept. As a standard, DEBO<sup>®</sup> Compact FiberBoard come with decors on both sides in suede finish. However, only the **RAW CORE** is also available on request.

ELEX<sup>®</sup> provides hundreds of plain colors, wood grains, stones, and individual decor processed by our cutting-edge digital printing equipment.

We are able to help you to fulfill your imagination.









Diversification

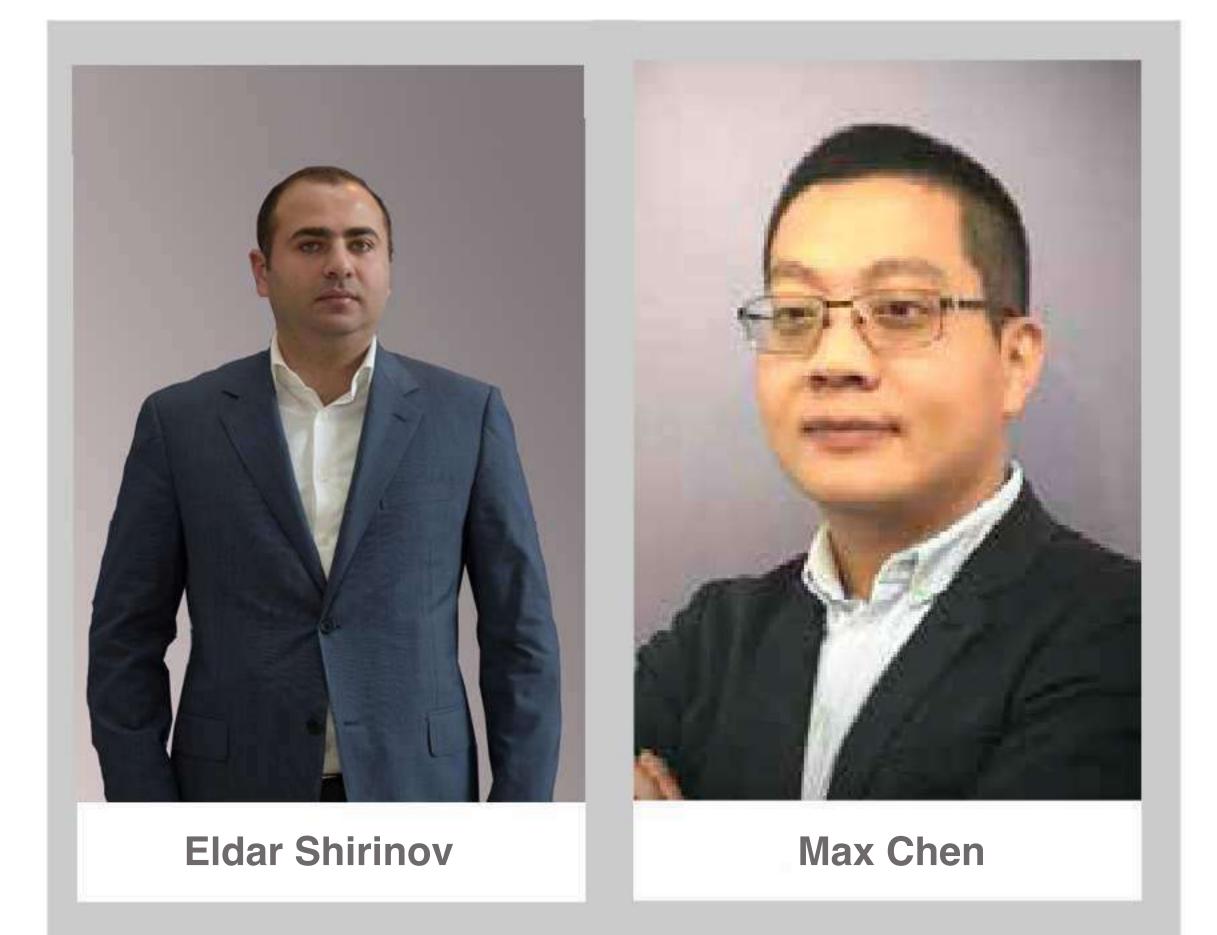


the design and quality of sheets.

### Today we use our knowledge of the wood-based artificial board, to promote the new Compact Fiberboard for more interior creation possibilities. We strive to pursuit continued improvement in

# International Quality

ELEX (ELEX Dis Ticaret Sanayi ve Ticaret Ltd. Sti.) was started in 2015 in Turkey by a pool of specialists from HPL Industries. Even though we were pioneer at that time, now the warehouse system located in Istanbul, Turkey responds to diverse market conditions and maintains a vast inventory of Compact Fiberboards (CDF) within reach of the customers. For these years, ELEX has been selling high-quality, innovative Compact Fiberboard solutions for versatility and demanding environment. ELEX delivers high-performance, high quality panels where state-of-the-art production technologies for both surfacing and solid core are used while meeting and exceeding national and international standards.





# About ELEX

### **Innovating Decorative Boards**

ELEX (ELEX Dis Ticaret Sanayi ve Ticaret Ltd. Sti.) was founded in 2015 with a simple vision to provide architects, designers, builders and eventually the end users with comfort, reliability and sources of creation.

For the last years, ELEX has been promoting Compact Fiberboards for a wide variety of applications of both interior and exterior as structural and decorative building materials. ELEX wins its honor of high-quality product performance and long-term partnership with its sales networks worldwide. ELEX works closely with worlds' finest suppliers for the best international quality. It uses up-todate décor colors, surface textures and cutting-edge production technologies to get the best results of Quality and Innovation. Today, the company keeps on outsourcing new materials for new design concepts, cost effectiveness and ecology. Why to choose ELEX? Because we provide high quality CDFs for the most affordable prices on the market for applications such as retails, hospitality, healthcare, education, office and institutions. Cost-effective longevity that other providers can't match.



SGS

REACH

