

InsightCel PVC Foam Sheet by New Insight (3)

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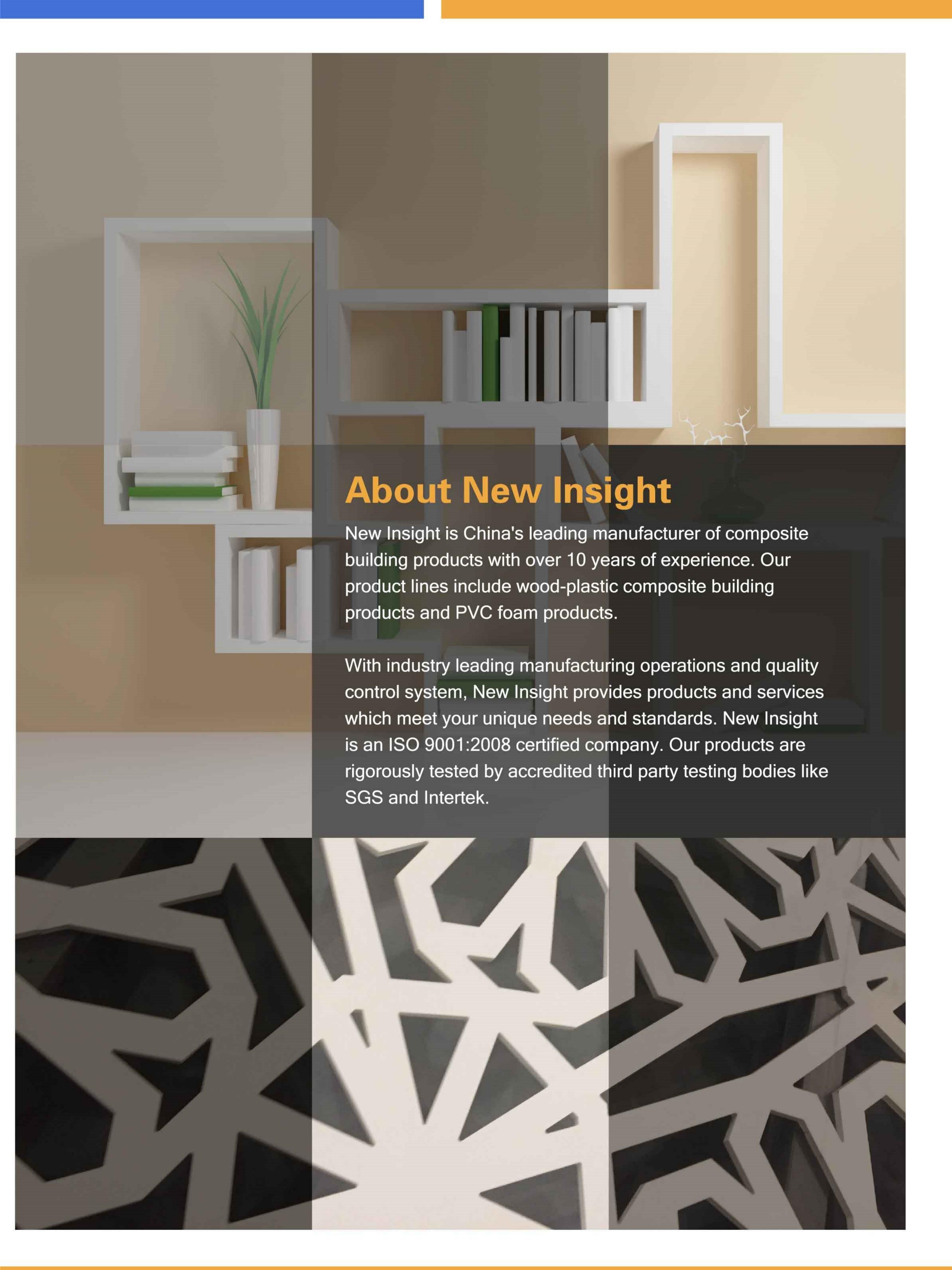
Top Applications

- Cabinet
- Signage
- Exhibition
- Closet
- Indoor/Outdoor Decoration
- Kitchen
- Wall Cladding
- Office Partition

First-Class Composite Material

www.insightcel.com

Durable | Versatile | Lightweight | Eco-friendly







InsightCel™ is a durable, lightweight, versatile, flame-retardant, rigid foam PVC sheet made according to Celuka process. It is easy to handle and process using common cutting tools and equipment.

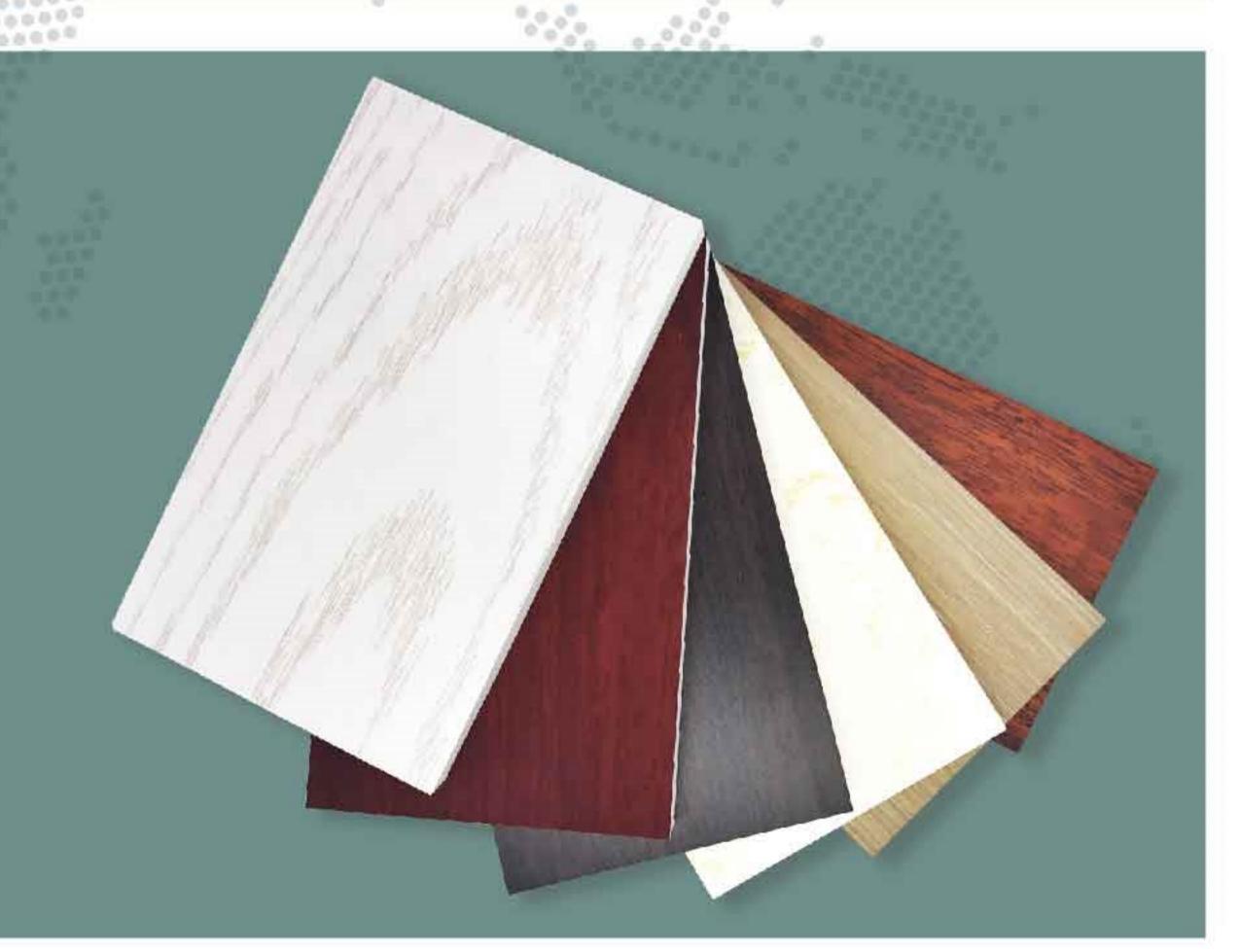
It is an economical and environment-friendly alternative for traditional materials and is ideal for applications like furniture, advertising, wall cladding, indoor and outdoor decoration.

InsightCel[™] provides customizable product profiles, with various thickness and surface finish options to suit your creative needs.

Laminated PVC Foam Sheet

We provide various surface lamination options to suit your needs. Different looks include: hardwood, stone, fabric, etc.

See sample charts on page 6.



InsightCel Profile

Standard Size

1220 X 2440 mm

Thickness (mm)

6 (1/4") / 10 (3/8") / 12 (1/2") / 15 (5/8") / 19 (3/4") /

24 (1"). Customizable

Density

0.5 g/cm³. Customizable within 0.4 - 0.8 g/cm³

Colors and Lamination Options

Standard color: White. Custom colors and lamination options available.

Characteristics



Fine Cell Structure

Integral skin-foam sheet made according to the Celuka process. Closed cell structure provides rigidity with light weight, while hardened surface is smooth and resistant to moisture.



Light Weight

Compared to traditional material like wood, plywood and MDF, InsightCel is light-weight and easy for transportation and handling.



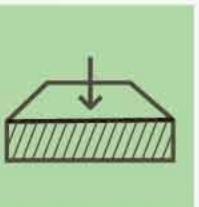
Chemical Resistant

Thchemicals and hardly corroded.e hardened surface from Celuka process makes it.



Low Flammability

Low flammability gives clear edge to wood, plywood and MDF making InsightCel™ ideal for trade shows and exhibitions.



High Strength

High lexural strength and impact resistance make it resistant to warping and breaking.



Easy to Fabricate

You may cut, drill, saw, and nail InsightCel using common tools and equipment.



Weather Resistant

Resistance to moisture and vapor makes it ideal for outdoor uses like signage, advertising board, outdoor furniture.



Environment Friendly

Not harmful to human health or the environment during manufacturing and applications. Free of lead or methanal.

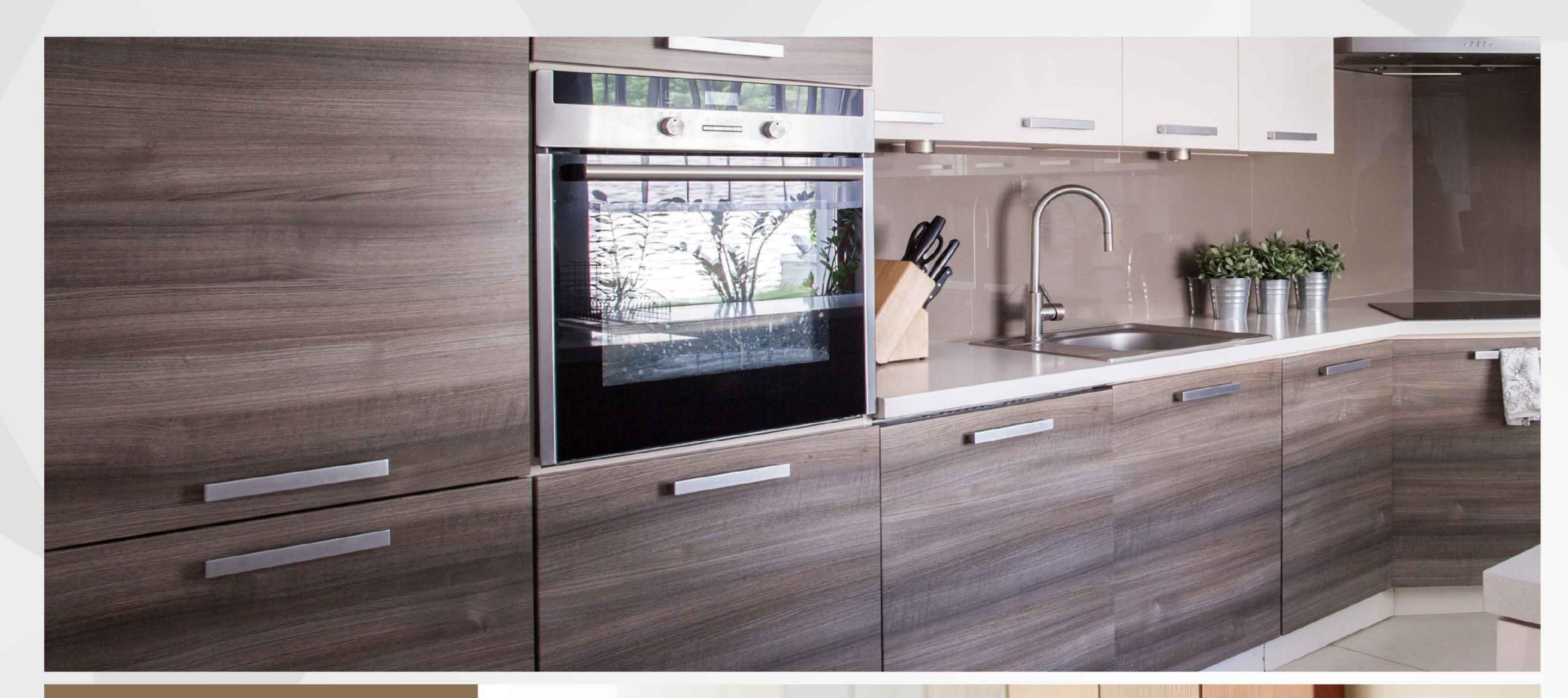
Technical Properties

Property	Testing Reference	Result
Apparent Core Density	ISO845:2006	477.1 kg/m³
Charpy Notched Impact Strength	ISO179-1:2010	0.91 kg/m³
Flexural Strength	ISO178:2010/Amd.1:2013 Method A	14.4 Mpa
Shore Hardness	ISO868:2003	D/2:51
Tensile Strength	ISO527-1:2012 & ISO527-2:2012	6.32 Mpa
Vicat Softening Temperature	ISO306:2013 Method B50	38 °C
Water Absorption	ISO62:2008 Method 1	1.77%
Migration of Certain Elements	EN71 Part3:1994+A1:2000+AC:2002	ND
Formaldehyde	ISO17226-1:2008	ND
Screw Holding	EN13446:2002	800 N
Fire Behavior	ISO13823:2010	Bfl
Flame spread	EN ISO11925-2:2010	43 mm



Testing results based on sample thickness of 10 mm. Tests performed by SGS. Technical specifications are subject to change.

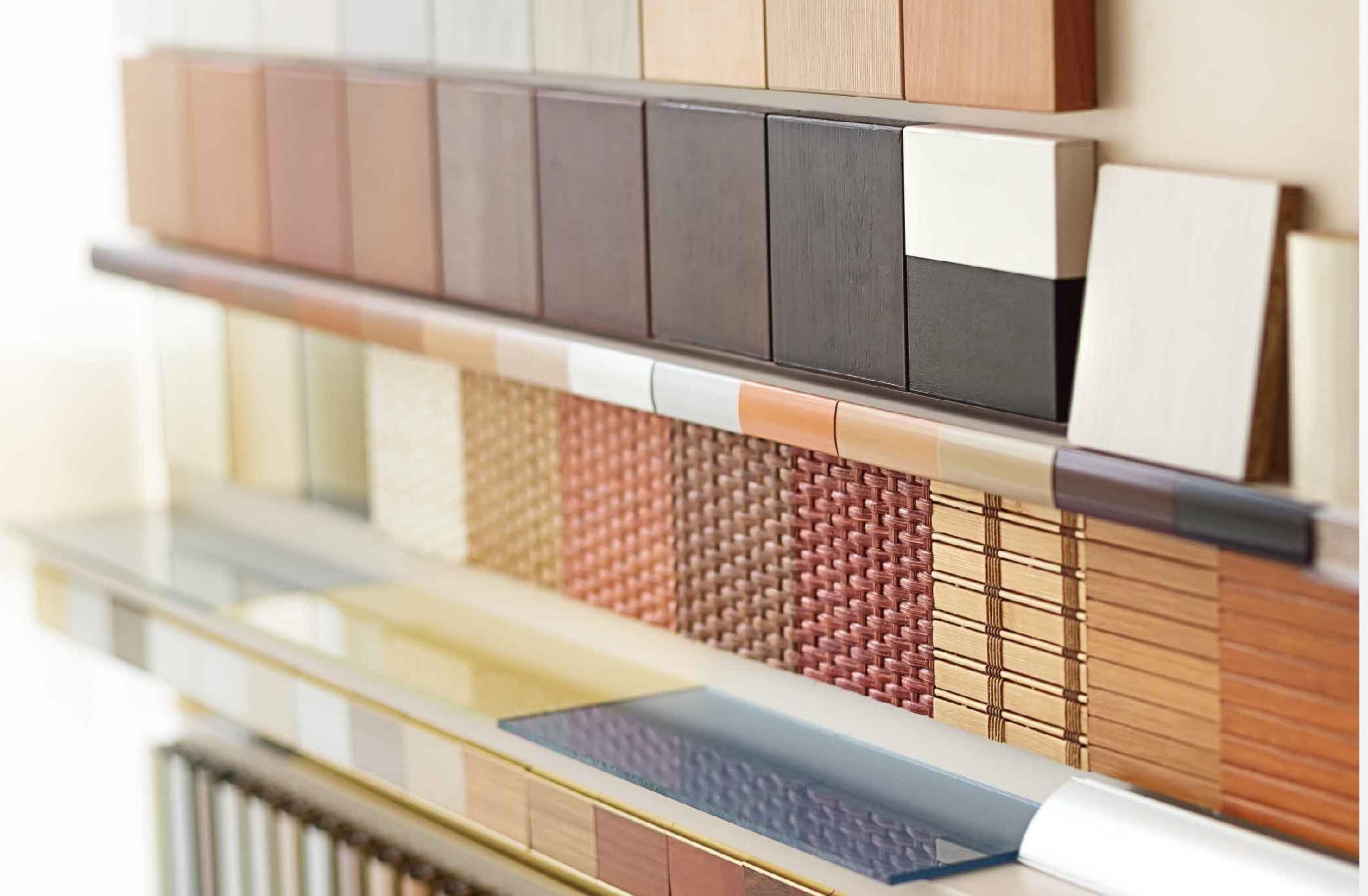




InsightCel™ can be easily laminated to provide various looks of natural materials, with added anti-scratch and UV stability.

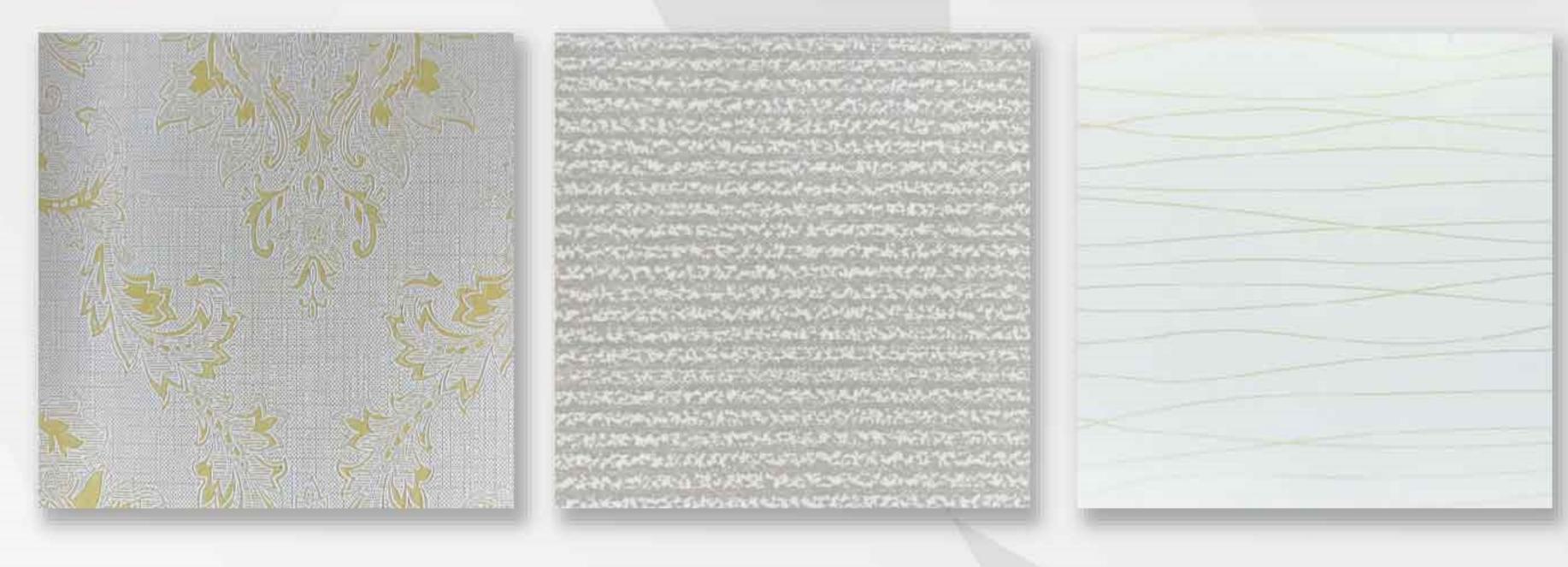
We provide a variety of surface lamination options to suit your needs.





Surface Lamination Options

Fabric



Marble



VVOO

