

KA'ASHI
Waterproof
Wallpanel
Collection



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ITALIAN ORIGINAL DESIGN

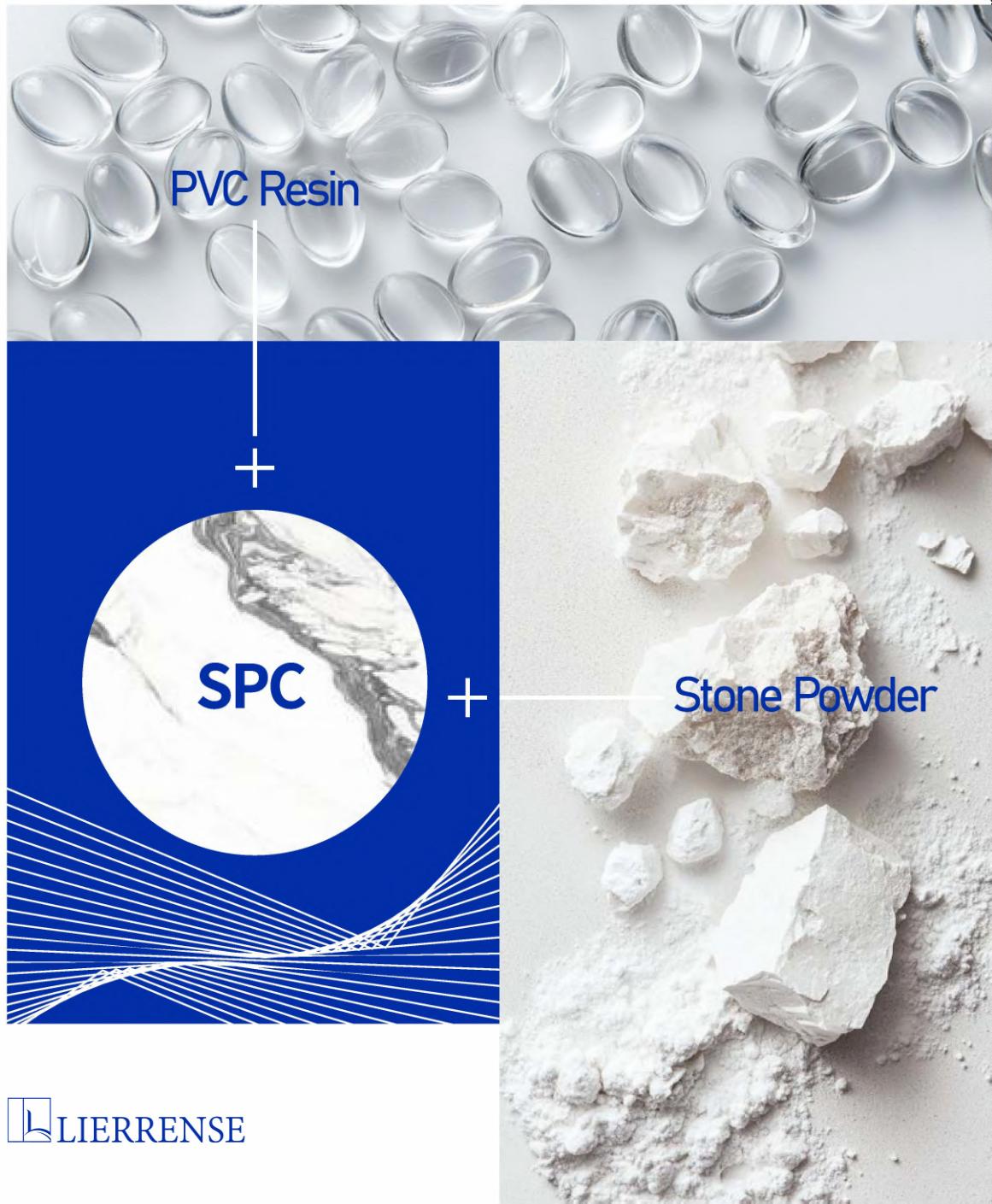
Introducing our exquisite line, KA'ASHI, our large-size slabs, designed to transform your space with a touch of Italian elegance. Crafted with sustainability in mind, KA'ASHI offers both visual appeal and eco-friendliness. Our innovative technology ensures a product with unparalleled durability, waterproof, non-toxic, with high resistance to scratches. The Italian Design-Digital Printing Coating ensures a stunning, lifelike finish that breathes life into any room. Manufactured using sustainable materials and processes, they minimize environmental impact while delivering top-notch performance.



LIERENSE

WHAT IS SPC ?

Stone-Plastic Composite



and advantages. +



Durability

Superior due to its stone-based core
Excellent stability, less prone to expansion/contraction.



Waterproof

100% Waterproof



Mold-Resistant

Does not absorb moisture, preventing mold growth.



Formaldehyde-Free

SPC board does not require the use of any adhesives. It is made through plastification and extrusion and does not contain harmful substances such as heavy metals or formaldehyde.

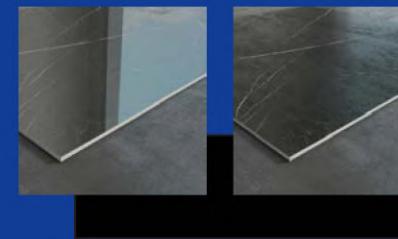
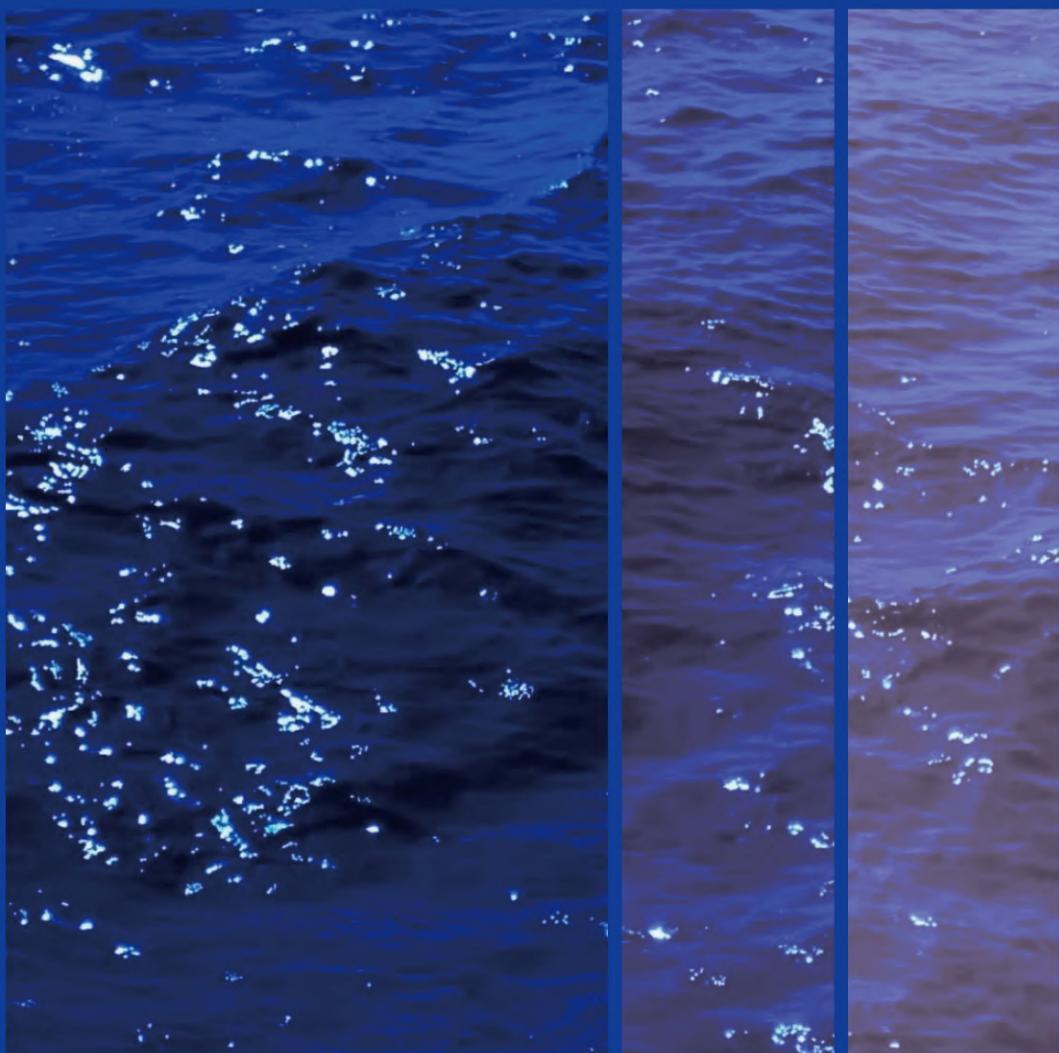


Cost Effective

SPC offers the texture and appearance of natural stone, wood, or fabric, but is more cost-effective compared to similar products like natural stone, ceramic tile, or slate.

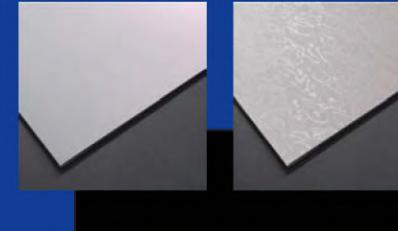
SURFACE

Finishing Process
Differentiation



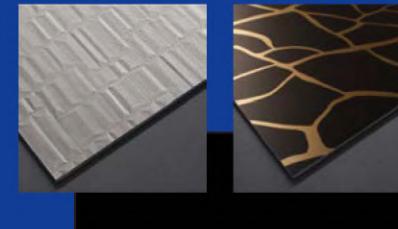
DSPC

SPC+Digital Printing
Glossy Surface & Matte Surface



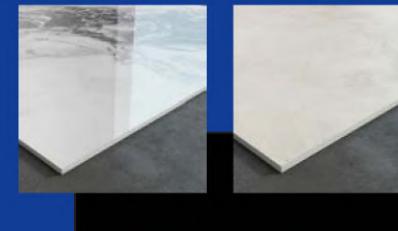
DSPC-A

SPC+Digital Printing
+Gradient Light Reflection Effect



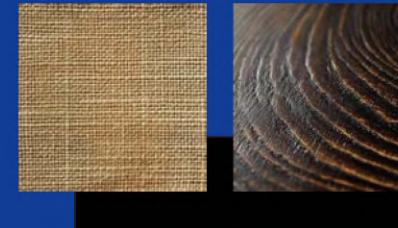
DSPC-T

SPC+Digital Printing+3D Texture



ESPC

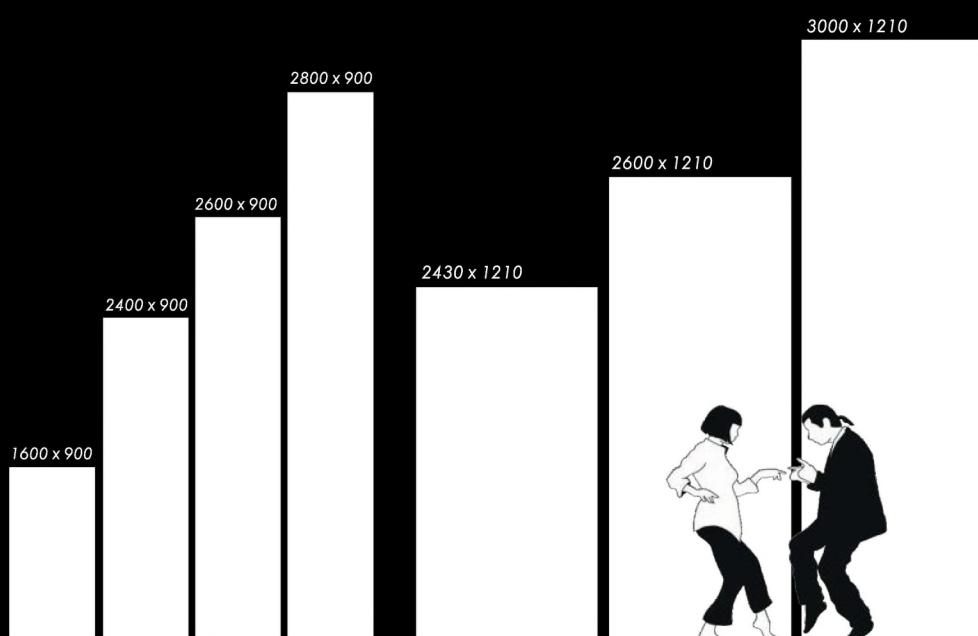
SPC+Digital Printing+PET
Glossy Surface & Matte Surface



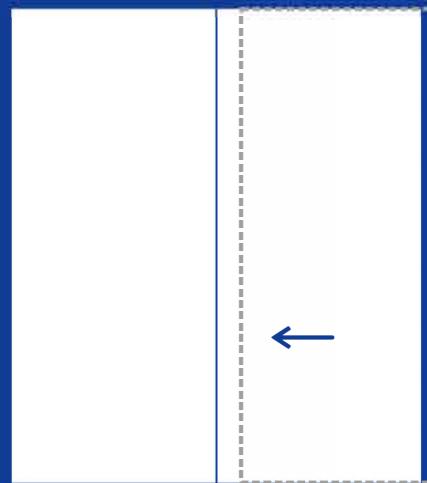
PSPC

SPC+PVC/PP (Surface textures such as cloth, wood, leather, cement, sandstone, metal, etc.)

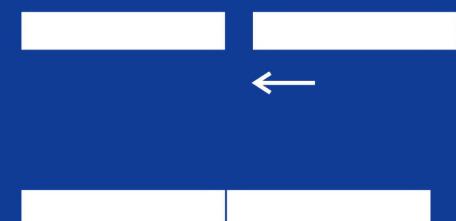
AVAILABLE IN VARIOUS SIZES



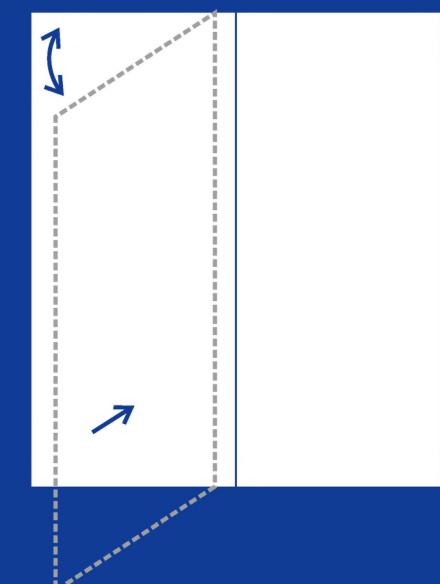
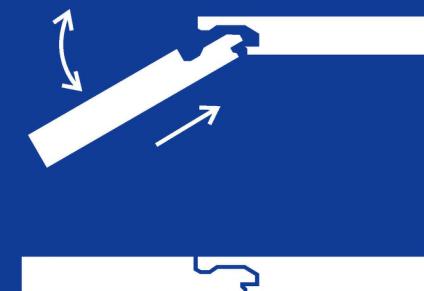
SPLICING METHOD



Direct Splicing
Top View



Lock Splicing
Top View



LIERRENSE ELECTRON BEAM CURING TECHNOLOGY

The electron is a fundamental particle. In its solid form, electrons are responsible for conducting electric charge, thereby generating electric current. When using an electron beam to process materials, particles loaded on the cathode are released, accelerated, and focused into a fine beam. Upon striking the material, the electron beam releases energy. The material absorbs this energy and converts it into heat. Due to the high intensity of the beam at the focus, a portion of the molten material would evaporate. This creates a fine steam tube that penetrates into the material, enabling welding or curing depth of up to hundreds of millimeters. The application of electron beam (EB) technology spans multiple industries, leveraging its unique ability to provide precise and controllable energy concentrations for a variety of applications, ranging from aerospace, military research, micro-machining to industrial processes and materials science.



It is a revolutionary curing technology, known as the most efficient, environmentally friendly, and clean curing technology to date. It can achieve up to 99% high cross-linking of coatings in milliseconds, saving 95%-99% of energy consumption compared to other curing methods, thus significantly increasing production efficiency. Most importantly, EB is a food grade-safe curing technology. It can cure without the need for chemical cross-linking agents or photoinitiators during the production process, truly eliminating VOCs (volatile organic compounds) from the source of materials and saying goodbye to solvents completely.

EB ENDOWS PANEL COATINGS WITH SUPERIOR PHYSICAL PROPERTIES.

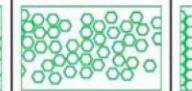
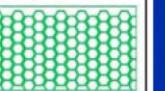
HIGH BARRIER PROPERTIES RESULTING FROM DENSE SURFACES ▶

YELLOWING RESISTANCE: External oxygen finds it hard to permeate, and ultraviolet rays struggle to penetrate; (Application scenarios: Building exterior walls, balcony spaces)

EASY TO CLEAN: Not prone to staining or bacterial attachment; (Application scenarios: Kitchens, schools, hospitals)

HIGH PERFORMANCE: High hardness, wear-resistant, scratch-resistant, and resistant to chemical reagents. (Application scenarios: Flooring materials, high-end laboratories)

LOW ODOR: Complete reaction, no seepage of substrate odors; (Application scenarios: Bedrooms, children's spaces)

	THERMAL CURING	ULTRAVIOLET CURING(UV)	ELECTRON BEAM CURING(EB)
Curing Degree	~ 60%	40~70%	> 99%
Microstructure			
Surface Cracks	Large Solvent Pores	Microscopic Defects	Point Defects

THE APPLICATION OF EB ELECTRON BEAM CURING TECHNOLOGY IN THE PANEL INDUSTRY ▶



Yellowing Resistance Test
Conditions: Xenon lamp, GB/T 17657.4-21-2013. Wavelength of 300-420nm, black panel temperature 60°C, irradiance of 42W/m², exposure for 48 hours.
Test Subject: D5PC-T Wall Panel, 300mm x 300mm x 5pcs.



LIERRENSE ELECTRON BEAM CURING PRODUCTION LINE
Producing 2 million square meters of eb wall panels and 2 million square meters of eb flooring annually. ▶



DSPC

SPC+Digital Printing



STRUCTURE & ADVANTAGES



SIZE

1210mm x 2430-3050mm x 3.6/4.5mm





LIERENSE



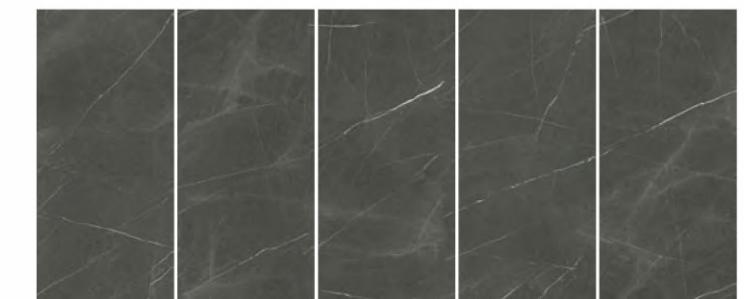
High Gloss
Surface

DSPC

**DSPC-2050**

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm
SURFACE/1





DSPC-2009

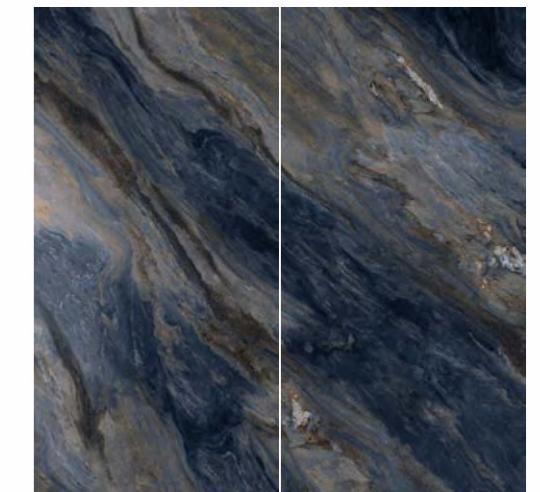
SIZE/1210mm x 2430-3050mm x 3.6/4.5mm
SURFACE/5



DSPC-2023

SURFACE/2

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





LIERENSE



Matte
Surface

DSPC

**DSPC-3041**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm

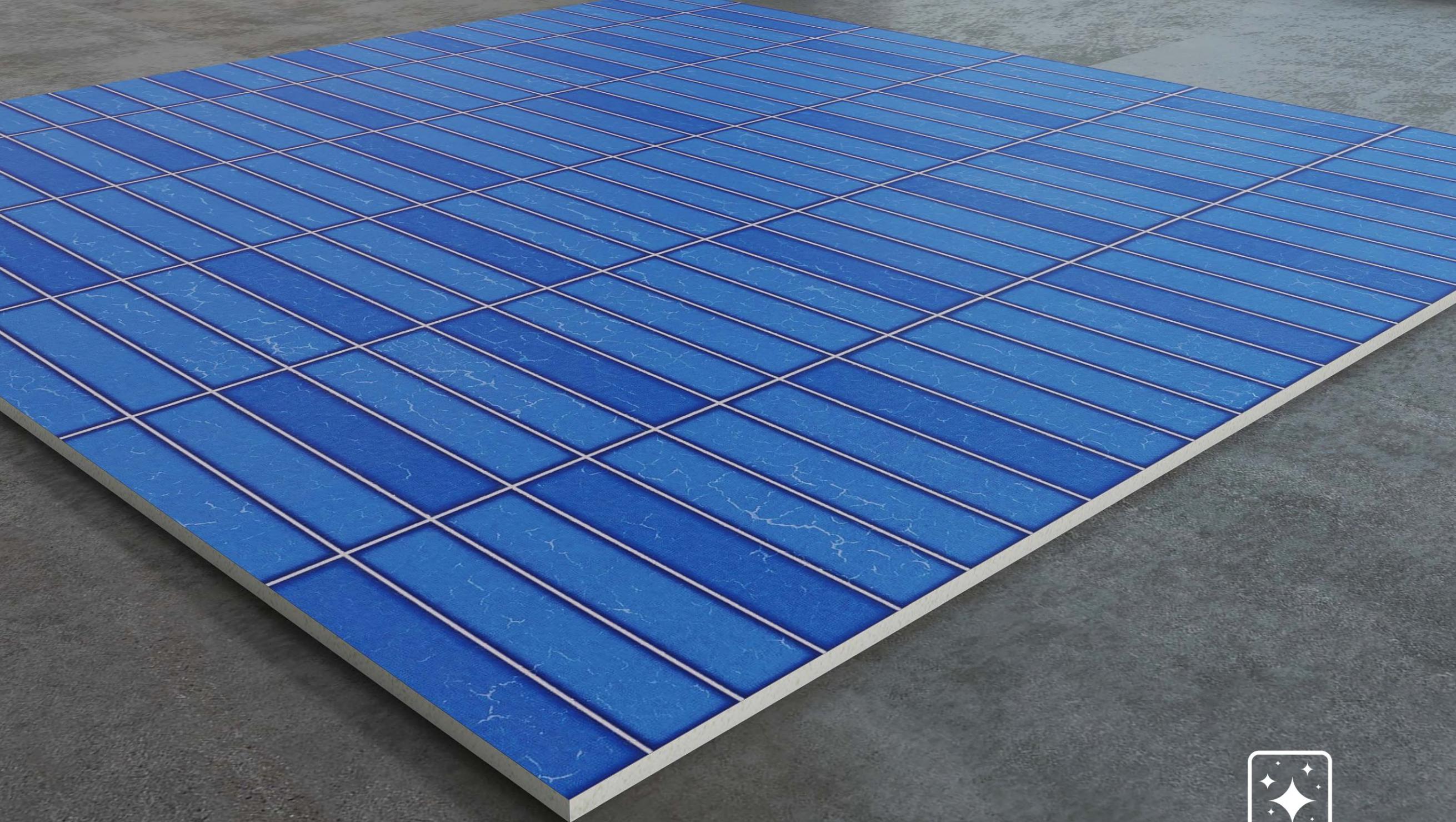


**DSPC-4002**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



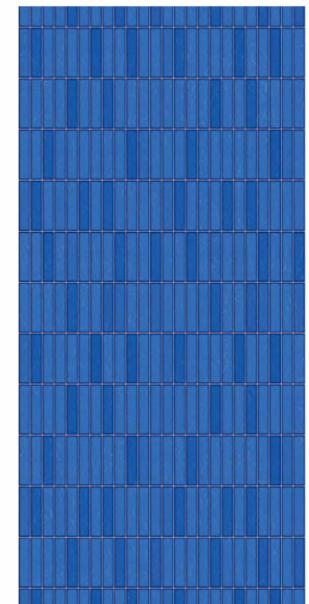


LIERENSE



High Gloss
Surface

DSPC

**DSPC-6025**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





Matte
Surface

DSPC



DSPC-7030

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



LIERENSE



High Gloss
Surface

DSPC

**DSPC-1062**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





DSPC-6007

SURFACE/2

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



DSPC-A

SPC+Digital Printing+Gradient Light Reflection Effect



Marble
DSPC-A 2015



Marble
DSPC-A 2061-D



Cement
DSPC-A 2062-C



Cement
DSPC-A 2053M



Cement
DSPC-A 2053-GA



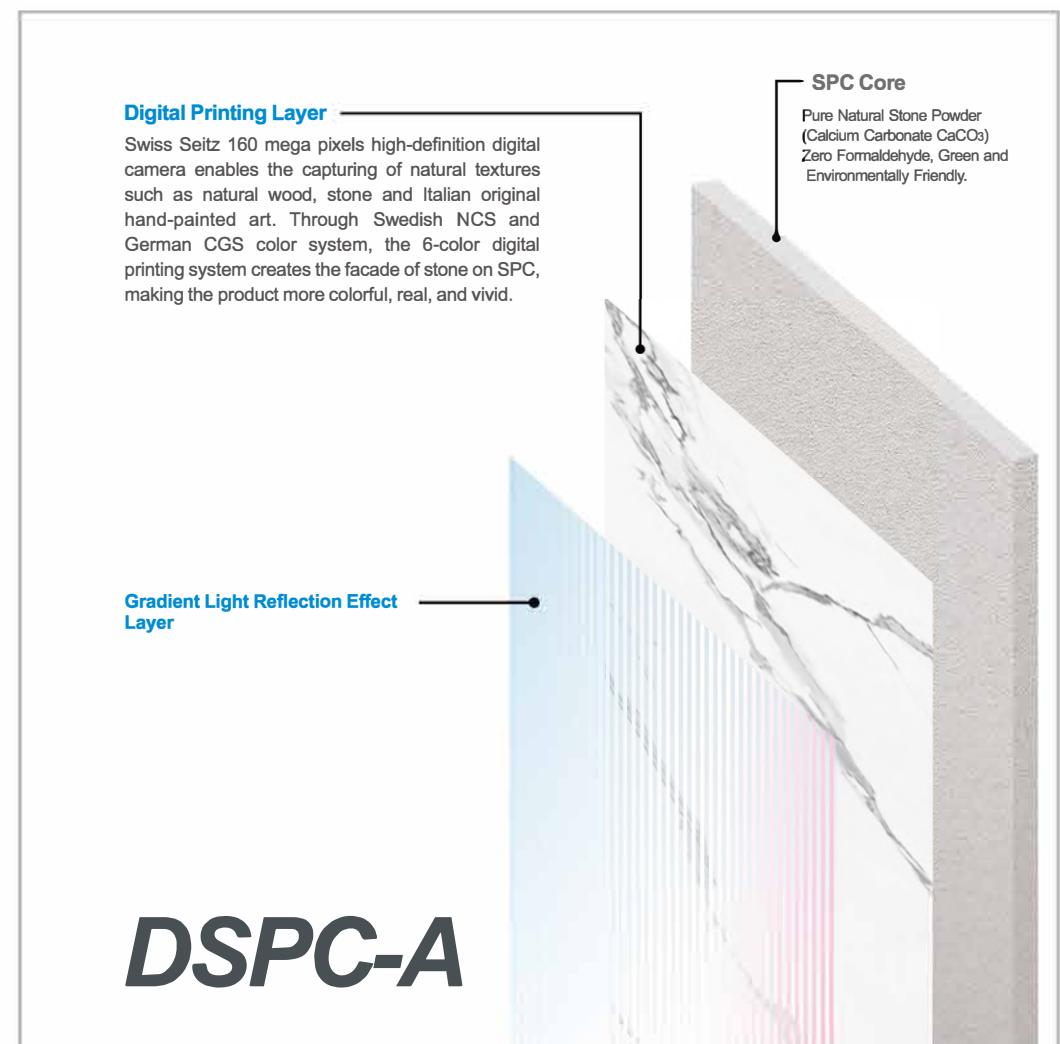
Cloth
DSPC-A 013



STRUCTURE & ADVANTAGES

SIZE

1210mm x 2430-3050mm x 3.6/4.5mm



DSPC-A



LIERRENSE



Gradient Light
Reflection Effect

DSPC-A

**DSPC-A 2015**

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm
SURFACE/5



LIERENSE



Gradient Light
Reflection Effect

DSPC-A



DSPC-A 2061-D

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



LIERRENSE



Gradient Light
Reflection Effect

DSPC-A



DSPC-A 2062-C

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



LIERRENSE



Gradient Light
Reflection Effect

DSPC-A



DSPC-A 2053GA

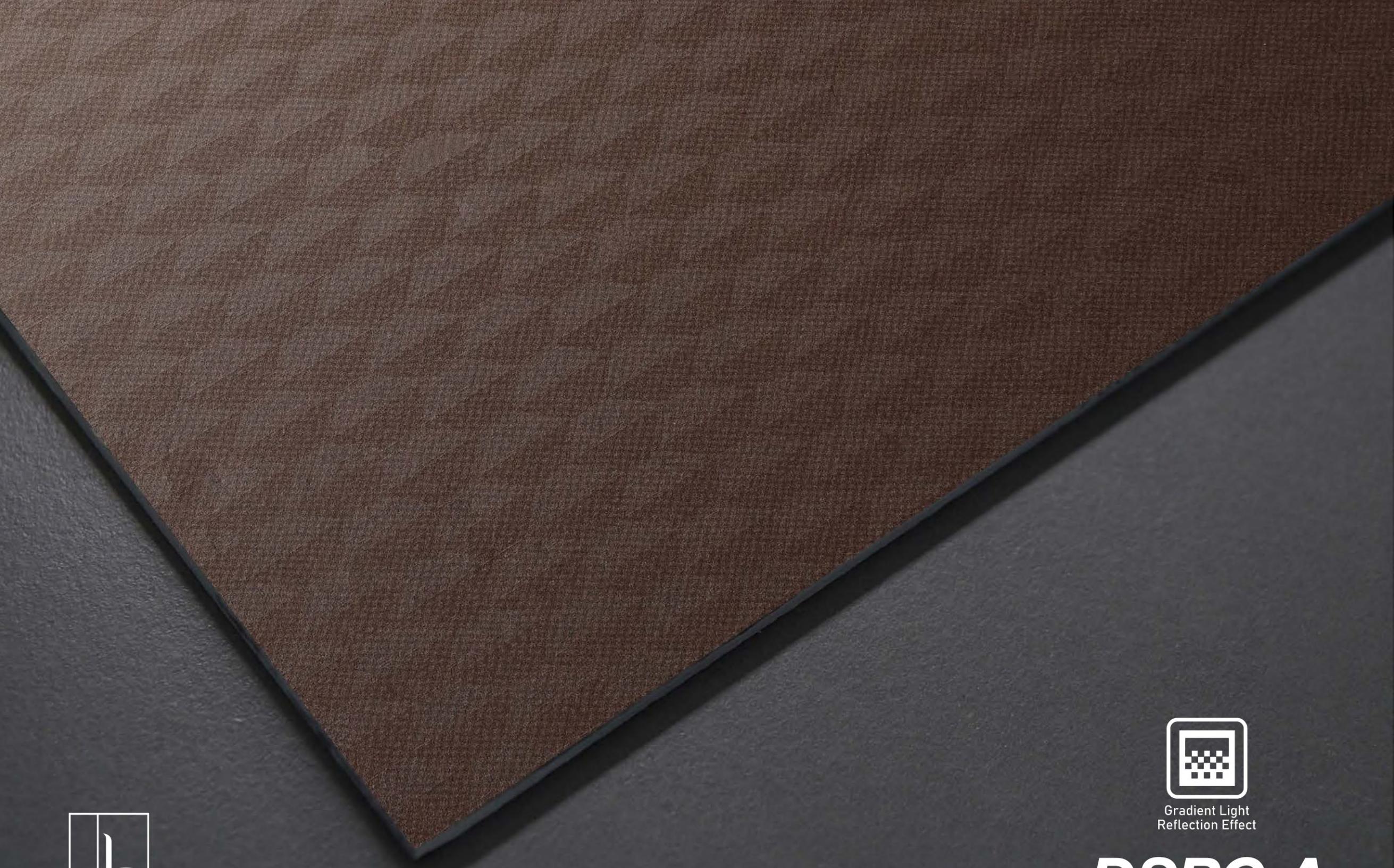
SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





LIERRENSE



Gradient Light
Reflection Effect

DSPC-A

**DSPC-A 013**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





LIERRENSE



Gradient Light
Reflection Effect

DSPC-A



DSPC-A 2053M

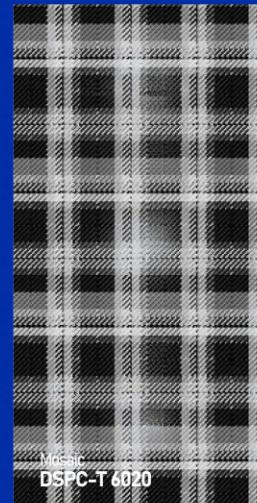
SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



DSPC-T

SPC+Digital Printing + 3D Texture

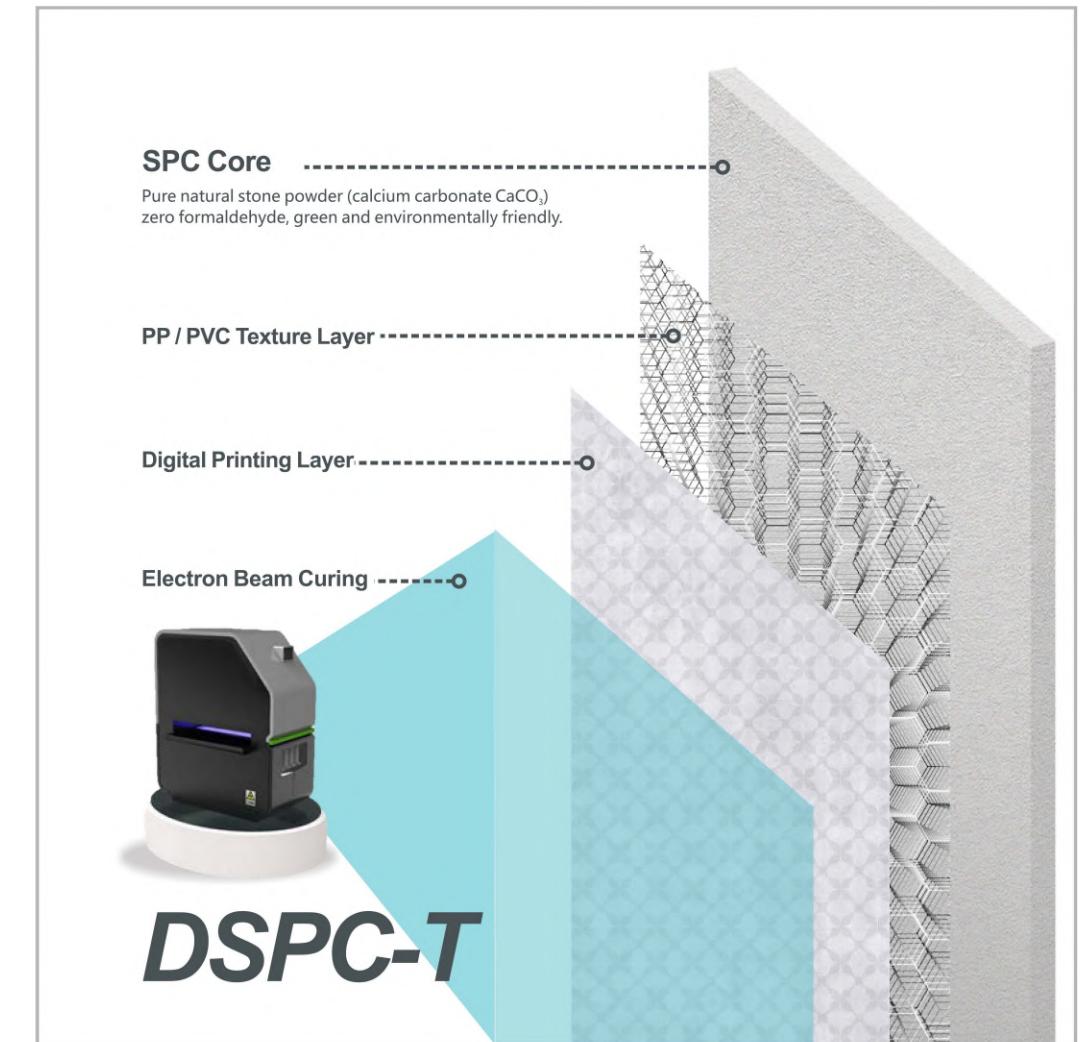


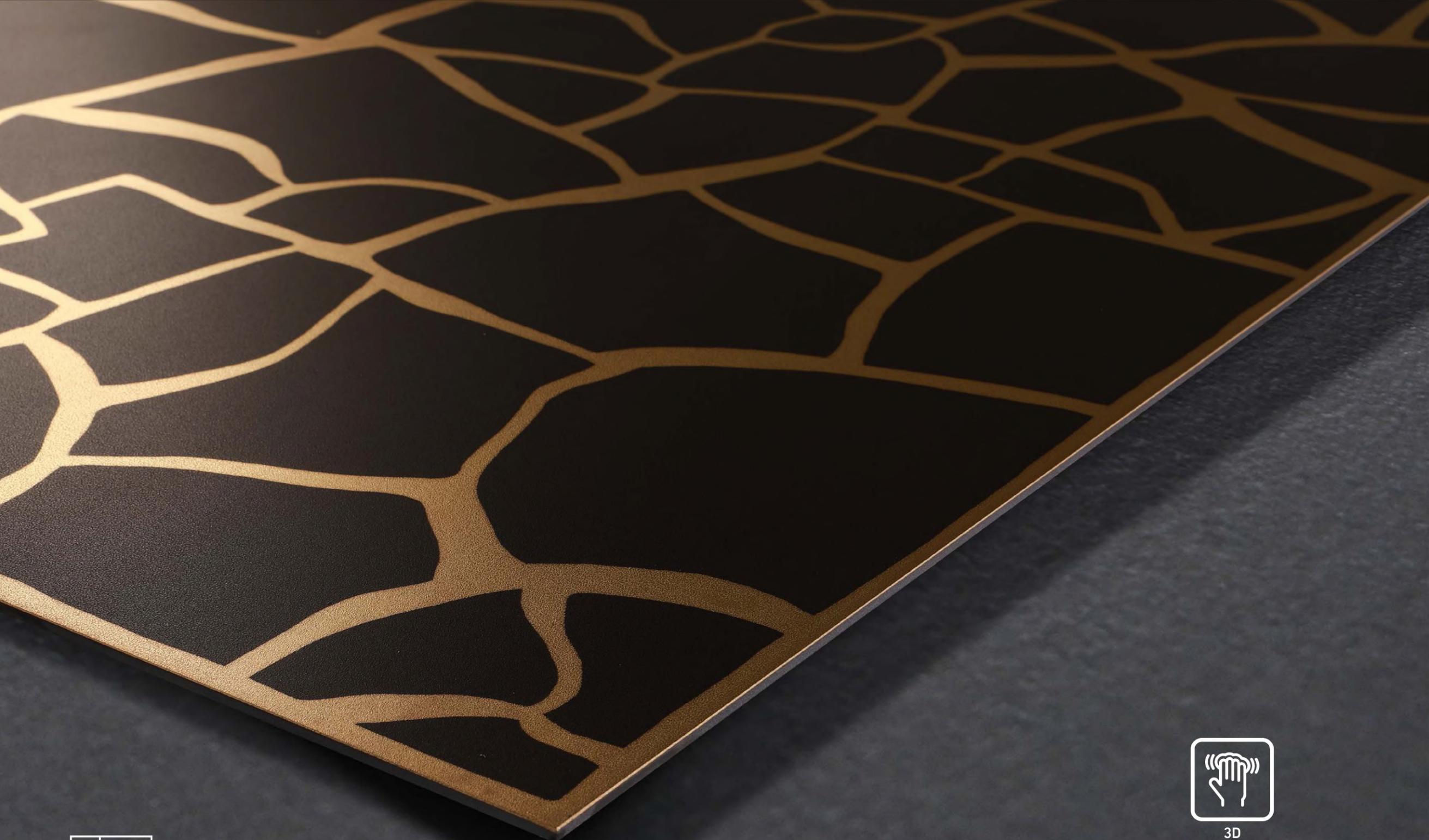
STRUCTURE & ADVANTAGES



SIZE

1210mm x 2430-3050mm x 3.6/4.5mm



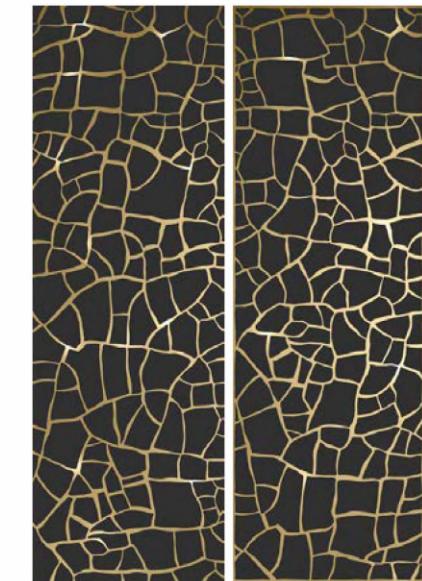


LIERENSE



3D
Touch

DSPC-T



DSPC-T / EFD469

SURFACE/2

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm

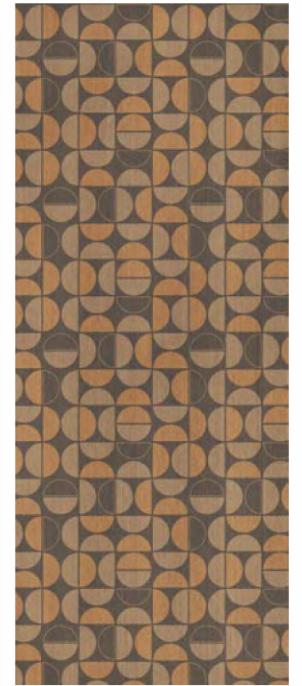


LIERRENSE



3D
Touch

DSPC-T



DSPC-T 1054
SURFACE/1
SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





LIERENSE



3D
Touch

DSPC-T

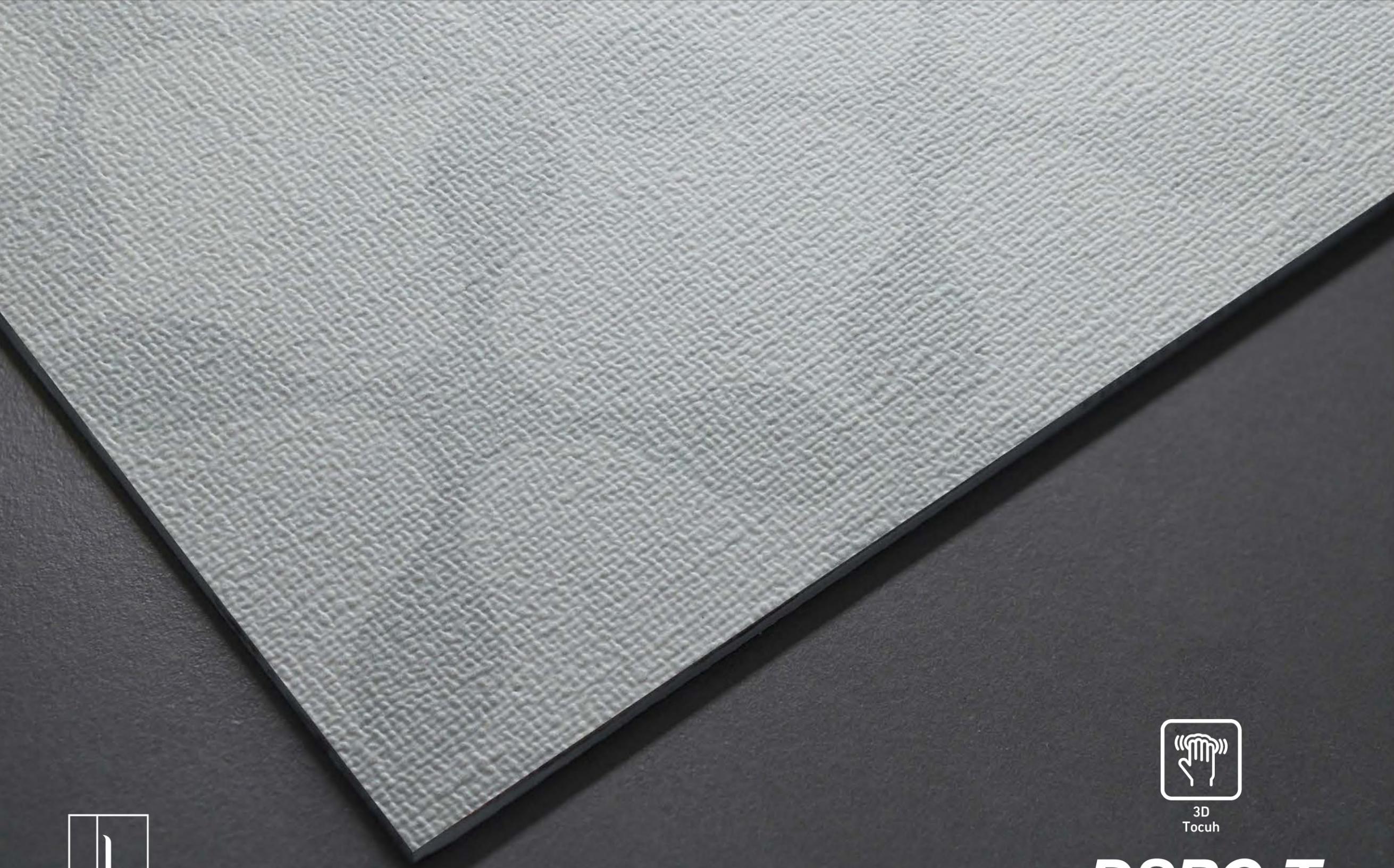
**DSPC-T 1060**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



LIERRENSE



3D
Touch

DSPC-T



DSPC-T 1063
SURFACE/1
SIZE/1210mm x 2430-3050mm x 3.6/4.5mm





DSPC-T

**DSPC-T 3012**

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm



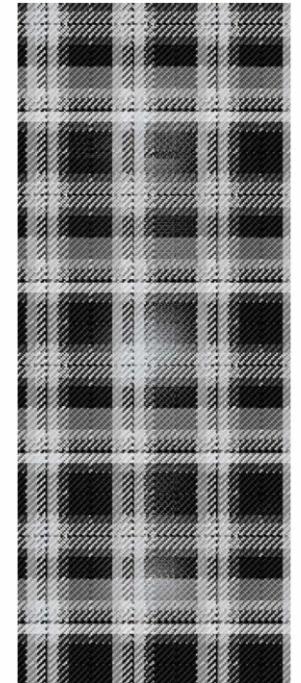


LIERRENSE



3D
Touch

DSPC-T



DSPC-T 6020

SURFACE/1

SIZE/1210mm x 2430-3050mm x 3.6/4.5mm

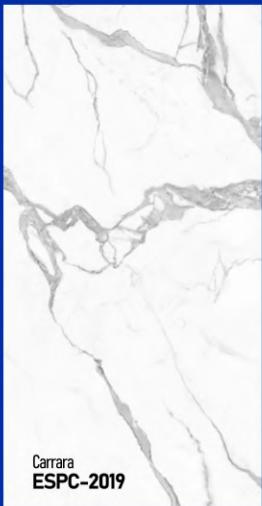


ESPC

SPC+Digital Printing + PET



Classical Calacatta
ESPC-DLS009



Carrara
ESPC-2019



Himalayas
ESPC-2031



Aurora
ESPC-2013



Milano Travertine
ESPC-2002



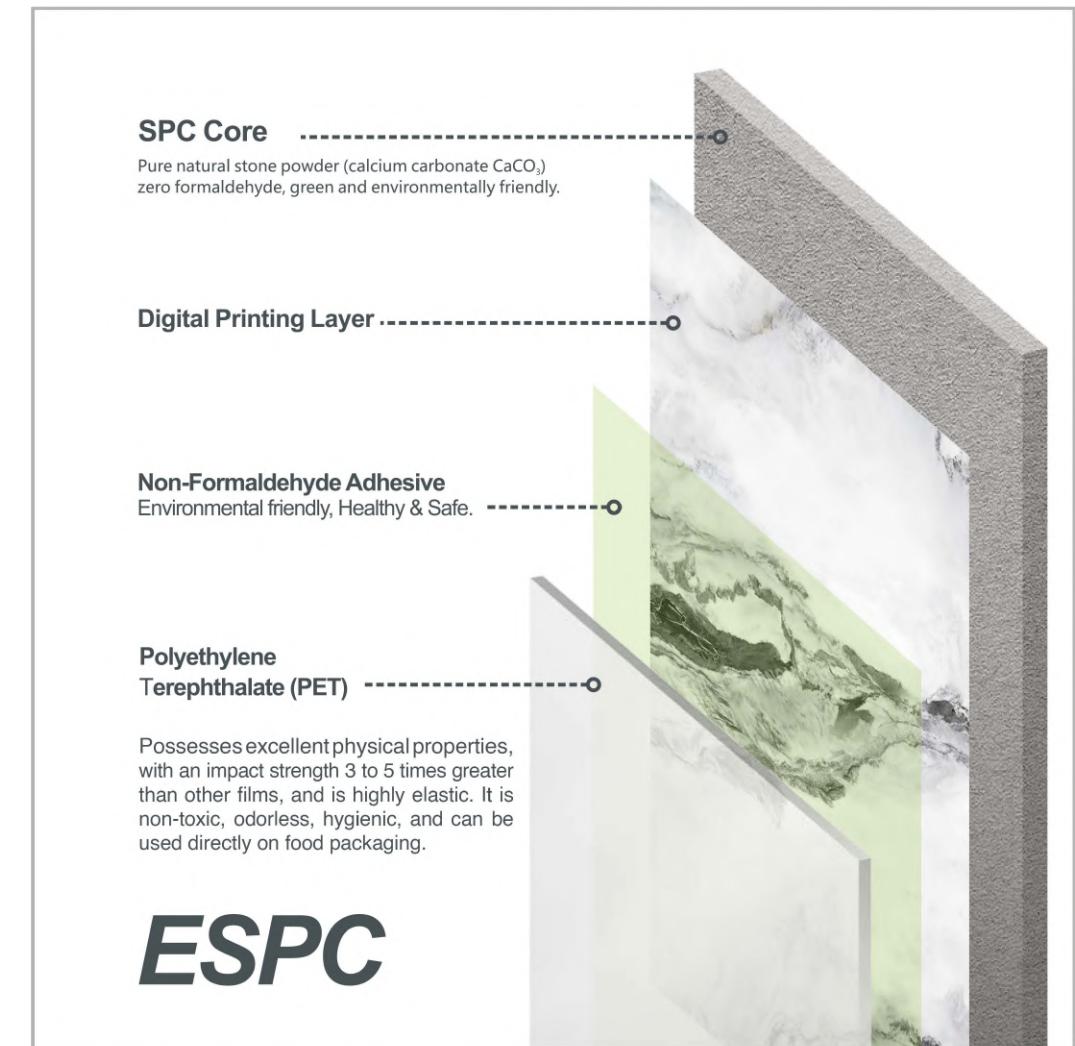
Persian Jade
ESPC-2016



STRUCTURE
& ADVANTAGES

SIZE

1210mm x 2430-3050mm x 4.0mm





LIERENSE



High Gloss
Surface

Flexible and
Foldable

ESPC



Classical Calacatta
ESPC - DLS009
SURFACE/6
SIZE/1210mm x 2430-3050mm x 4.0mm





Carrara
ESPC-2019
SURFACE/5
SIZE/1210mm x 2430-3050mm x 4.0mm





Himalayas
ESPC-2031
SURFACE/4
SIZE/1210mm x 2430-3050mm x 4.0mm





Aurora
ESPC-2013
SURFACE/4
SIZE/1210mm x 2430-3050mm x 4.0mm





Persian Jade

ESPC-2016

SURFACE/5

SIZE/1210mm x 2430-3050mm x 4.0mm



14:43

Matte
Surface

Milano Travertine

ESPC-2002

SURFACE/4

SIZE/1210mm x 2430-3050mm x 4.0mm



PSPC

SPC+PVC / PP

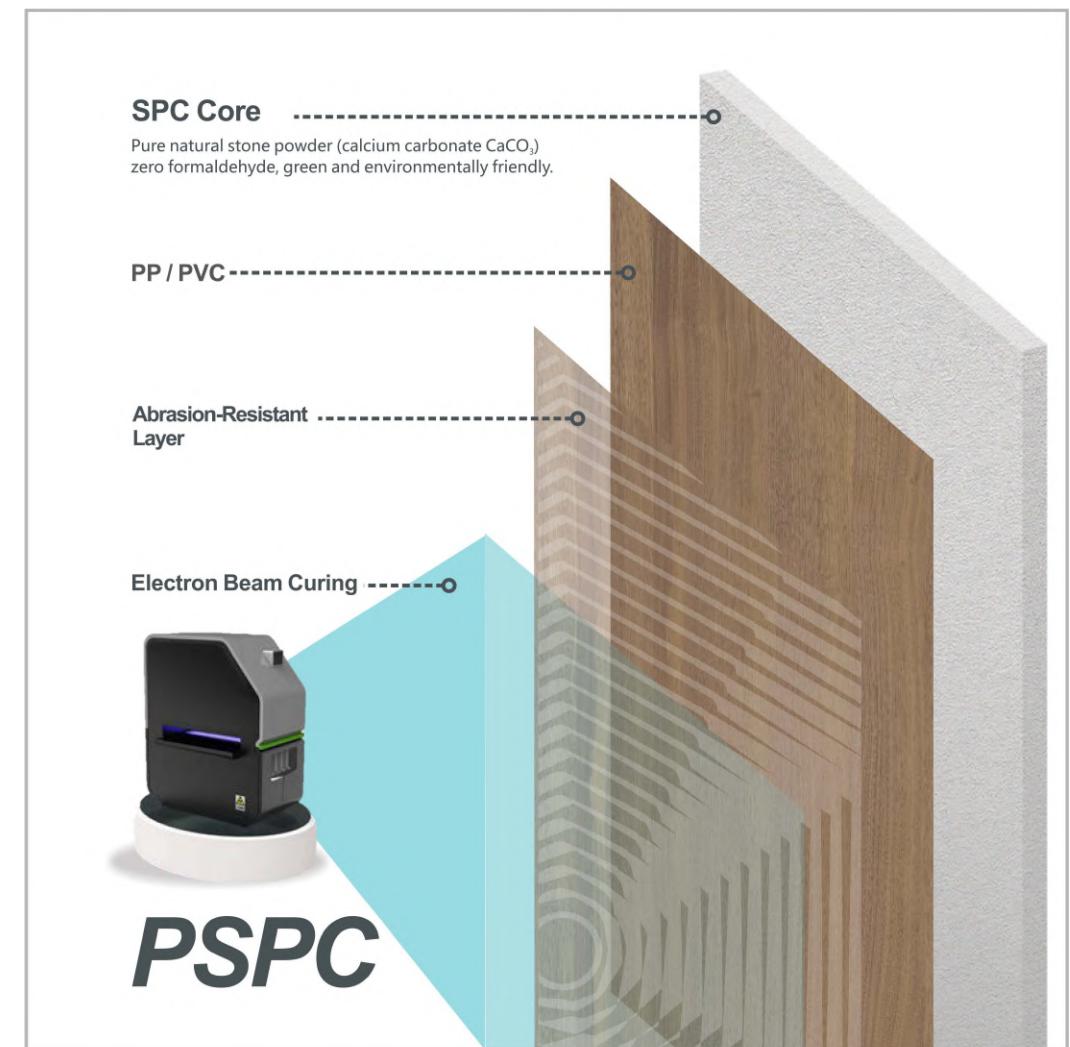


STRUCTURE & ADVANTAGES



SIZE

1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

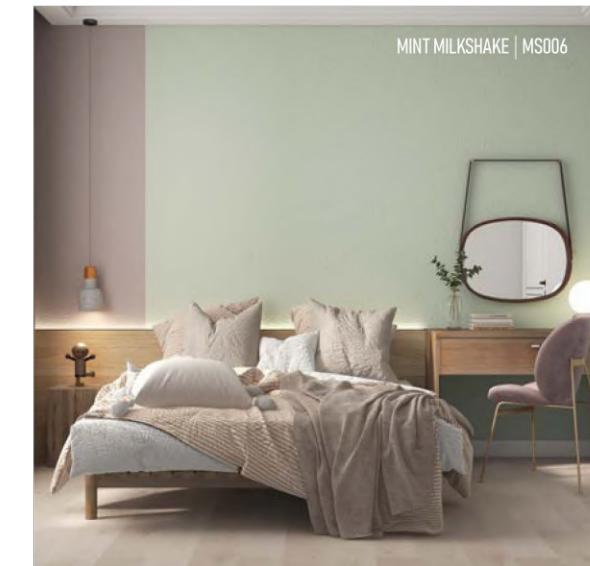




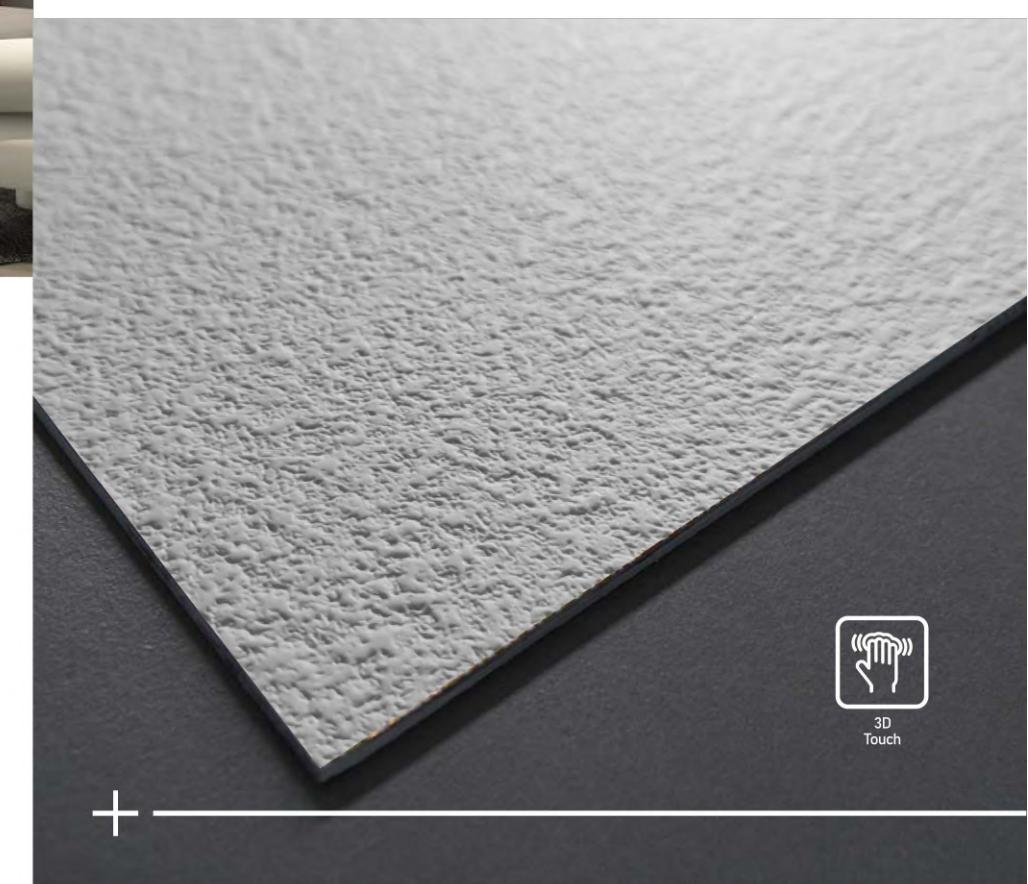
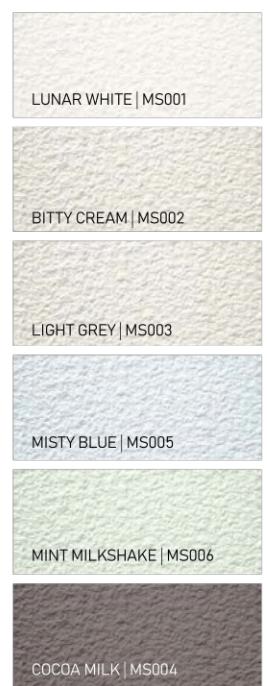
GRANITE PSPC | BITTY CREAM | MS002 SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

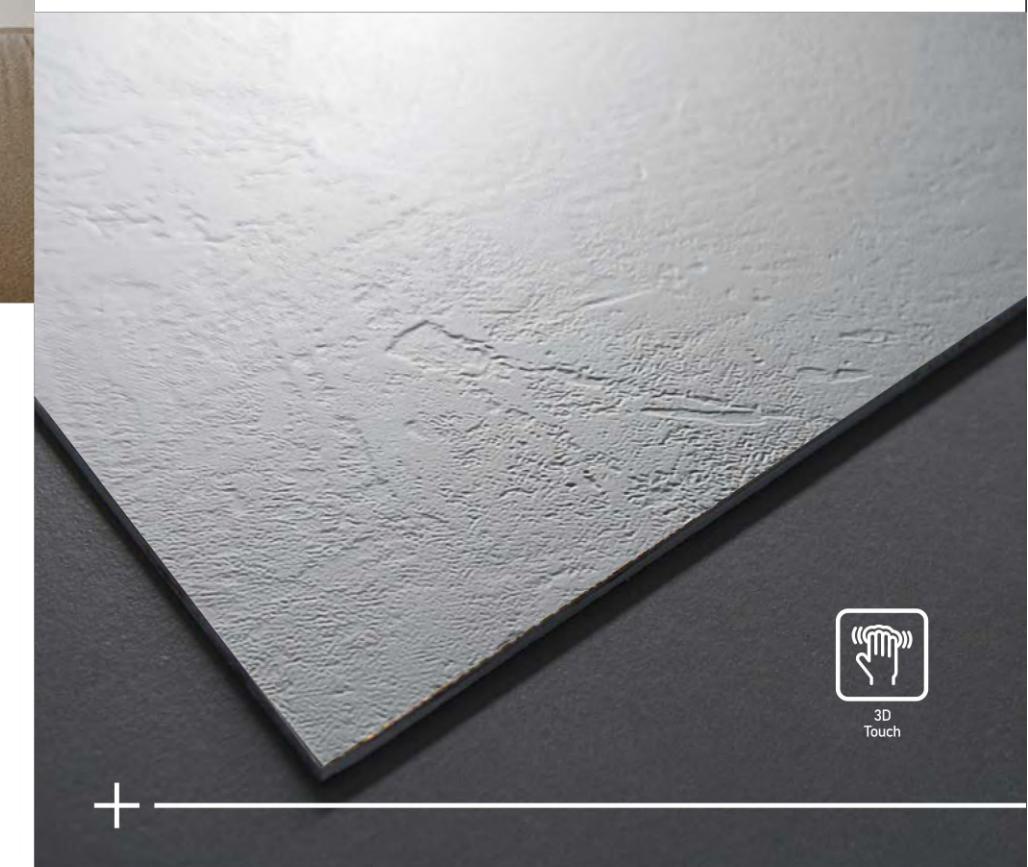
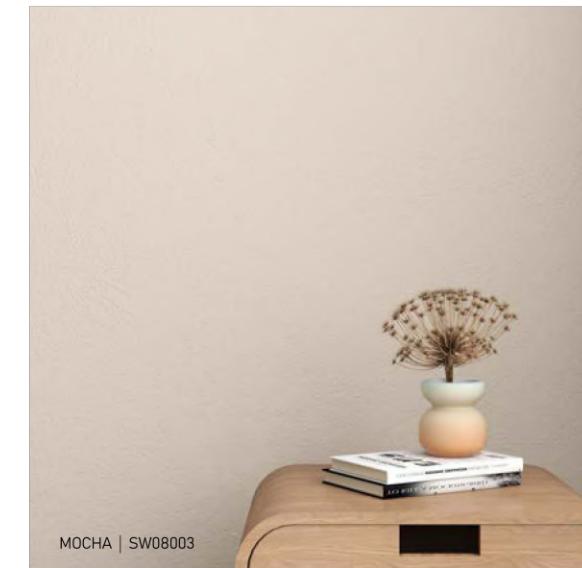


GRANITE
PSPC / LUNAR WHITE | MS001
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



MINT MILKSHAKE | MS006







MORANDI COLOR PSPC 8038 SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



MORANDI COLOR
PSPC 8036
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

PSPC MORANDI COLOR

6 COLORS



MORANDI COLOR 8035



DELICATE SKIN FEEL

LIERRENSE

FABRIC TEXTURE
PSPC 8010



SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

PSPC FABRIC TEXTURE
6 COLORS



FABRIC TEXTURE
PSPC 8012
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm





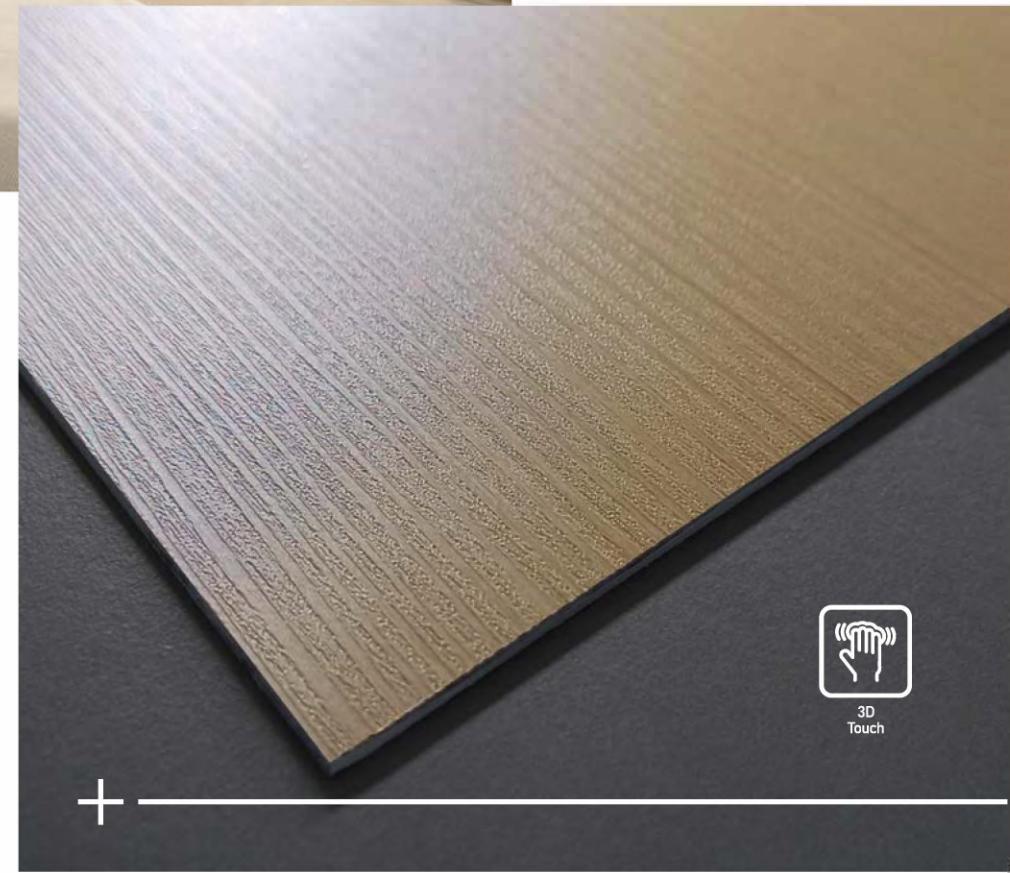
PSPC WOOD GRAIN / SW01002 / SIZE SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



PSPC WOOD GRAIN / 8017
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

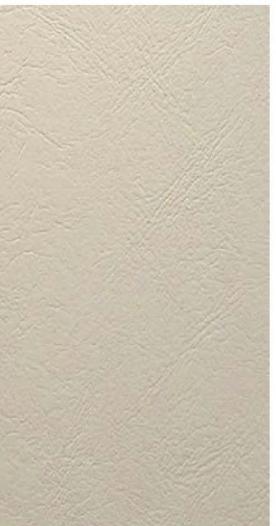


PSPC WOOD GRAIN / SW01001 SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



LEATHER
PSPC 8020

SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

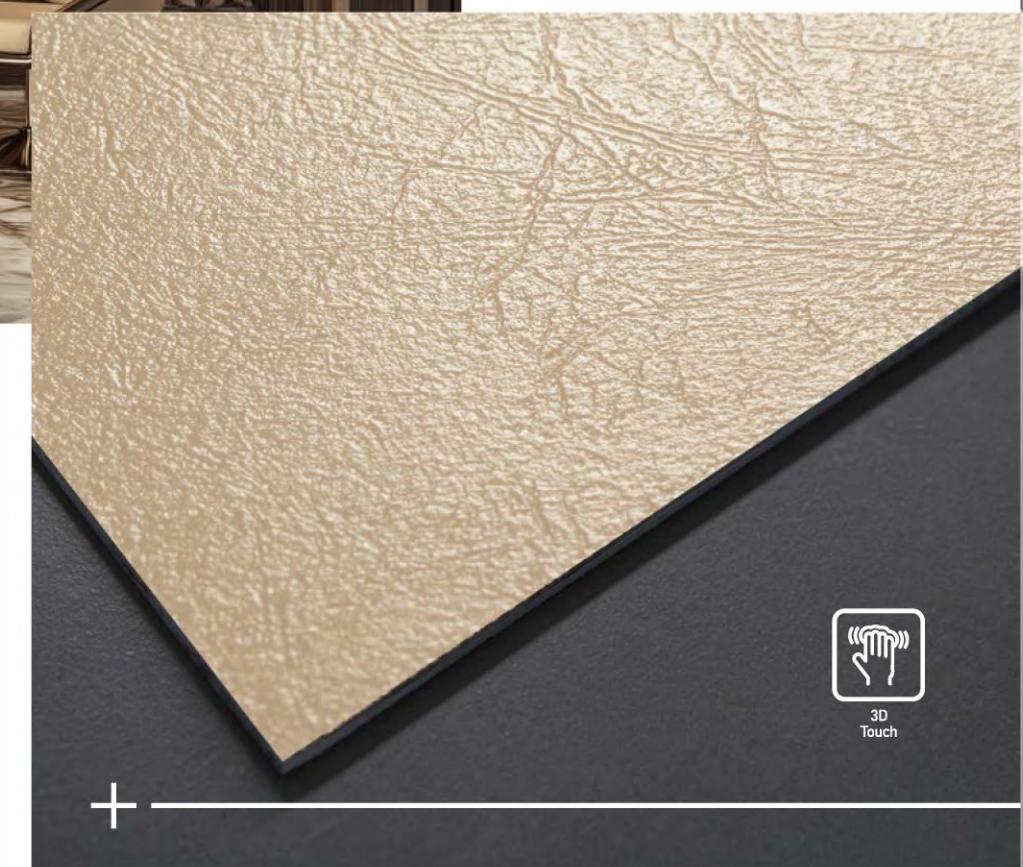
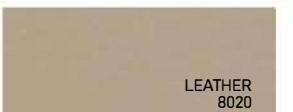
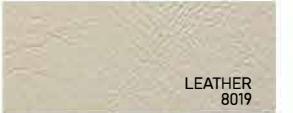


LEATHER
PSPC 8019

SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

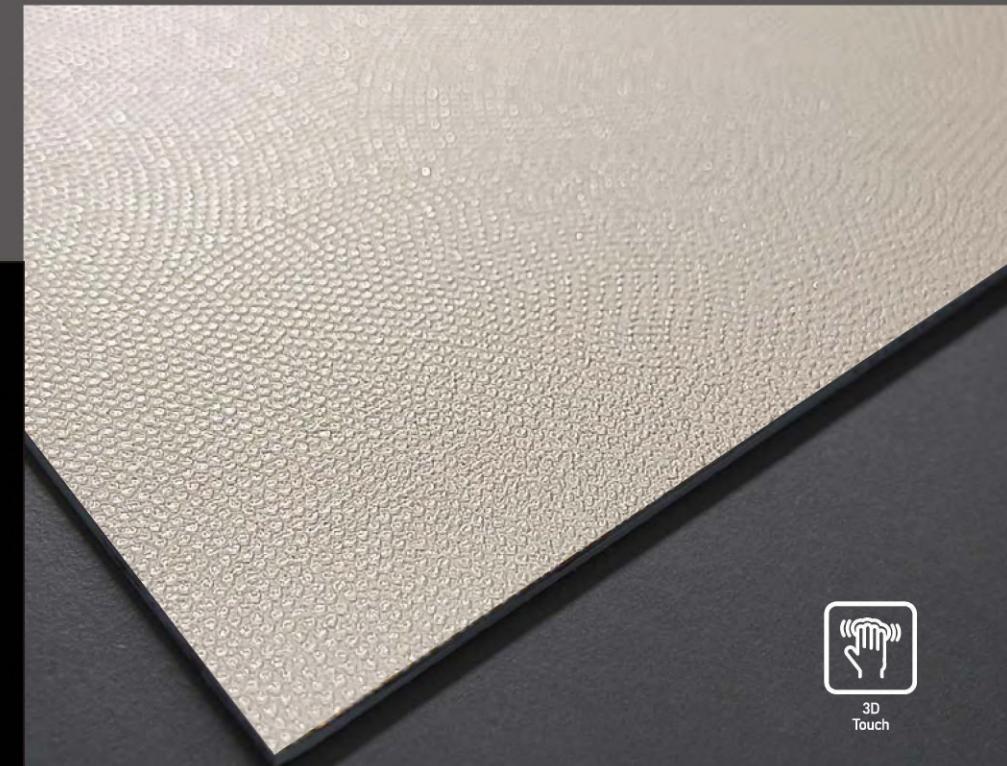
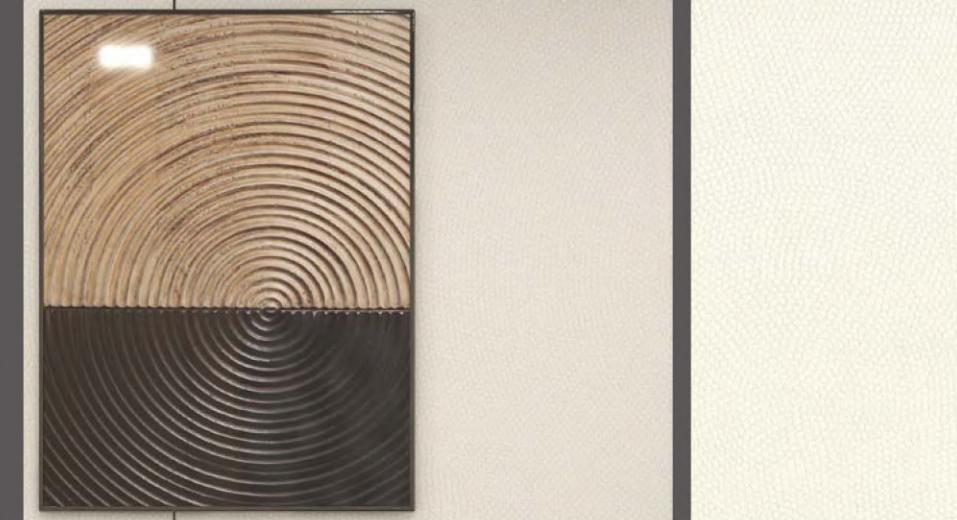
PSPC LEATHER
3 COLORS

SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm





ROUNDED ARC
PSPC 8034
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



+

-



3D
Touch



SANDSTONE PSPC8002 SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm

PSPC SANDSTONE SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm **3 COLORS**



SANDSTONE
PSPC 8003

SANDSTONE
PSPC 8004

SANDSTONE
PSPC 8002



Matte Surface

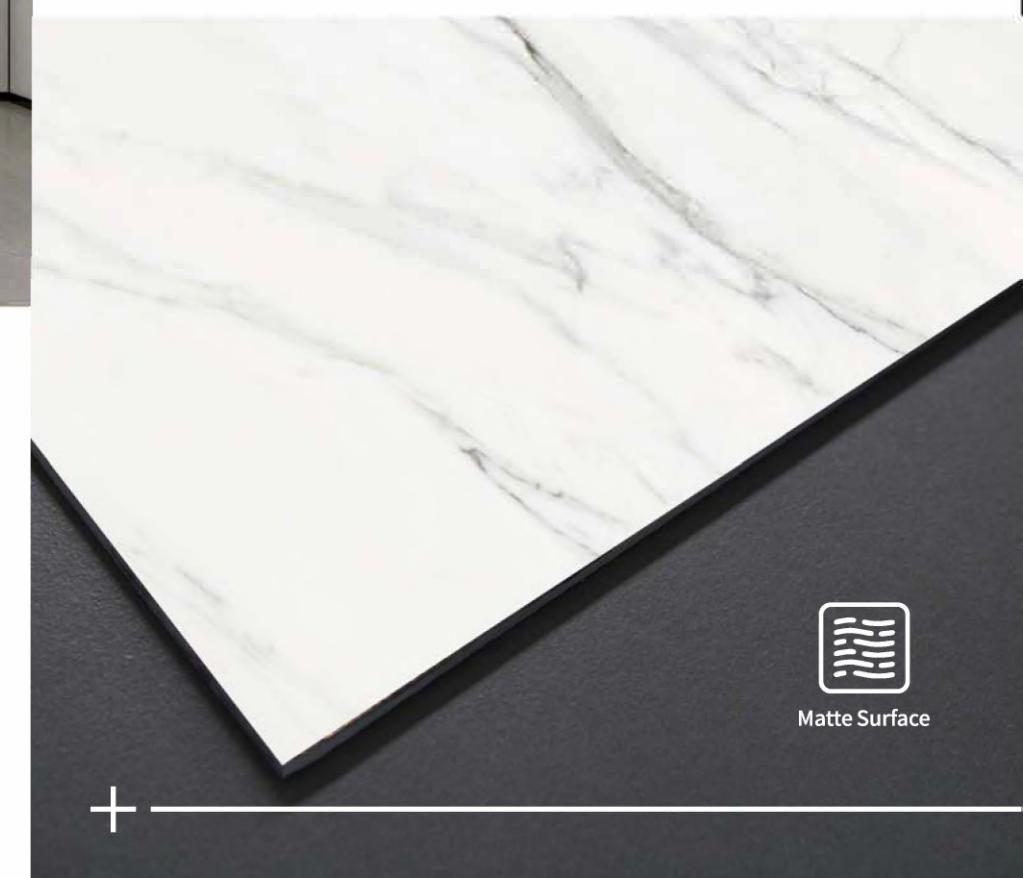




PSPC MARBLE 8050
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



PSPC MARBLE 8050
SURFACE/2
SIZE/1210/1220mm x 2430/2440-3050mm x 3.6/4.5mm



TEST RESULTS



CERTIFICATIONS



Item	Standard	Performance++
Water Absorption	ISO 62-2008 Method 1 Dry at 50°C and then with 24hrs distilled water (23.0±1.0°C) Submersion	Water absorption(%):0.03 Length change rate(%):0.18 Width change rate(%):0.13 Appearance changes:No visible change
Fire Resistance	BS 476 Part 7	Class 2
Wear Resistance	ASTM D 4060-19 & Client's requirement(2000r)	Weight loss(mg):1 Wear index(mg/1000r):0.7 2000r no wear out
Pencil Hardness	ASTM D3363-22	Gouge Hardness:4H Scratch Hardness:3H
Density	ISO 1183-1:2019 Method A	2.076g/cm³
Resistance to Immersion in Boiling Water	ISO 4586-2:2018(E) Clause 13 Immersion time in boiling water:(120±5)min	Mass increase rate(%):0.12 Thickness increase rate(%):0.42 Surface rating: Rating5(No visible change) Edge rating: Rating5(No visible change)
Dimensional Stability at Elevated Temperature	ISO 4586-2:2018(E)Clause 19 Dry condition:70±2°C,24h High humidity condition: 40±2°C,90-95%RH,96h	MD(%):0.15 TD(%):0.15
Large Ball Impact Resistance	ISO 4586-2:2018(E) Clause 25	No cracks on the surface when dropped from a height of 2000mm
Resistance to Scratching	ISO 4586-2:2018(E) Clause 29	Rating 4
Resistance to Staining	ISO 4586-2:2018(E)Clause 30 (Acetone/Coffee/25% Sodium hydroxide/30% Hydrogen peroxide/Carbon black suspension in paraffin oil(shoe polish simulant)	Appearance rating: 5 (No visible change)
Release of Formaldehyde	EN15102:2007 +A1:2011	None Detective
Heavy Metals & Specific Elements	EN15102:2007 +A1:2011	None Detective
Release of Vinyl Chloride Monomer	EN15102:2007 +A1:2011	None Detective
voc	ISO16000-9:2006/Cor1-2007&ISO16000-6:2021&ISO16000-3:2002	A+

French A+ certification is the highest environmental protection grade mark in the French VOC label, representing "Emissions in indoor air". It is based on the international standard ISO-16000, which simulates the actual living environment and continuously monitors indoor air quality for 28 days, grading products based on the concentration of volatile organic compounds. It applies to indoor building materials, such as paints and flooring.



ROHS stands for the Restriction of Hazardous Substances. It is a European Union directive that limits the use of specific hazardous substances in electrical and electronic products. The directive restricts the use of six substances: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE). The testing ensures products comply with environmental requirements, protecting human health and the environment.



CE certification is a mandatory mark for products in the European market, indicating compliance with health, safety, and environmental protection requirements. It signifies that the product has undergone necessary testing and verification to meet applicable EU directives. CE stands for "Conformité Européenne," meaning the product meets the requirements of the relevant directives and can be legally sold in the EU.



ISO 14000 Certification is a series of international standards designed to help organizations operate sustainably, adhere to environmental regulations, and continuously improve processes. The ISO 14000 standard includes ISO 14001:2015, which specifies the requirements for an effective Environmental Management System (EMS).

