

TOPPAN

Premium Surface Collection

2023-2024

Decorative NON-PVC Film

Finely textured wood grains from various wood species
High fidelity print with cutting-edge designs
Pre-finished surface for enhanced durability and performance
High process-ability and simple installation



PREMIUM SURFACE COLLECTION

- Toppan Decorative NON-PVC Film -

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SAMPLE REQUEST

Sample request is available from the QR code below

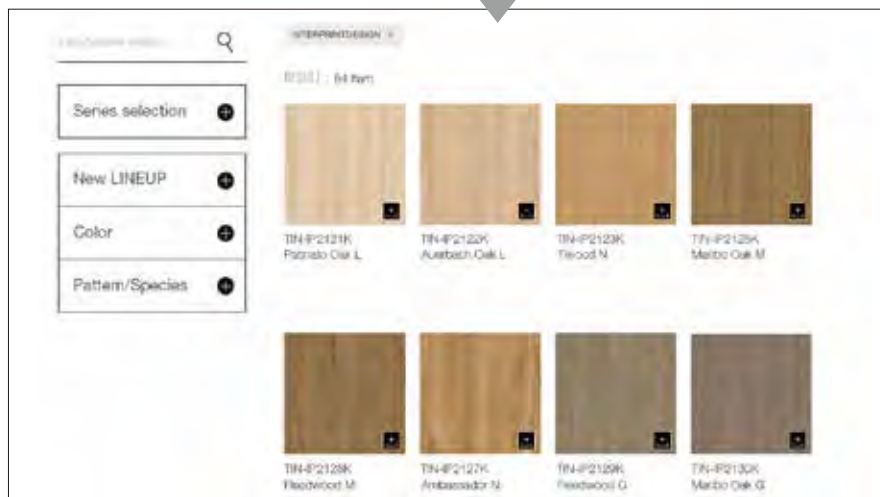


https://forest.toppan.co.jp/english/products/list_color.html

TOP PAGE



SAMPLE ORDER



The sample size can be chosen from A4 or one full repeat (1,260 x 1,200mm).



Please input the below information after scanning the QR code, and click on the send button.

Company name, Department, Full name, Address, Phone number, email address,
Selecting sample size: A4 / one full repeat

※As this service is not available in EU area, please contact Toppan Europe GmbH (info@toppan-europe.com)
The delivery date of the samples will be announced via your given email address.
Maximum 10 pieces for A4 and 5 pieces for one full repeat can be arranged upon each request.

The delivery might be delayed due to the weather, transportations, or any other conditions.
We will take no responsibility for any damages caused by the delay in delivery.

PREMIUM SURFACE COLLECTION - Color Index -

Product Number	Product Name	SSN (Serial Sequential Number)	Pattern / Species
TIN-IP2221K NEW	Mysa WG	1	Elm
TIN-IP2222K NEW	Mysa LG	2	Elm
TIN-IP2223K NEW	Mysa BG	3	Elm
TIN-IP2224K NEW	Mysa B	4	Elm
TIN-IP2225K NEW	Mysa DB	5	Elm
TIN-IP2226K NEW	Marte WW	6	Abstract
TIN-IP2227K NEW	Marte GW	7	Abstract
TIN-IP2121K	Patinato Oak L	8	Oak
TIN-IP2122K	Auerbach Oak L	9	Oak
TIN-IP2123K	Tiwood N	10	Spruce
TIN-IP2125K	Maribo Oak M	11	Oak
TIN-IP2126K	Fleedwood M	12	Oak
TIN-IP2127K	Ambassador N	13	Walnut
TIN-IP2129K	Fleedwood G	14	Oak
TIN-IP2130K	Maribo Oak G	15	Oak
TIN-IP2131K	Patinato Oak G	16	Oak
TIN-IP2133K	Ambassador BR	17	Walnut
TIN-IP2135K	Auerbach Oak DG	18	Oak
TIN-IP2136K	Ambassador DB	19	Walnut
TIN-IP2137K	Paldao DB	20	Dao
TIN-IP2138K	Fleedwood BL	21	Oak

Product Number	Product Name	SSN (Serial Sequential Number)	Pattern / Species
TIN-2201K NEW	Concise Walnut N	22	Walnut
TIN-2202K NEW	Quality Oak N	23	Oak
TIN-2203K NEW	Quality Oak G	24	Oak
TIN-2204K NEW	Quality Oak LG	25	Oak
TIN-2205K NEW	Denim BR	26	Abstract
TIN-2206K NEW	Denim BL	27	Abstract
TIN-2207K NEW	Minerva Stucco W	28	Abstract
TIN-2208K NEW	Minerva Stucco DG	29	Abstract
TIN-2101K	Stylish Maple N	30	Maple
TIN-2102K	Marvelous Oak M	31	Oak
TIN-2103K	Marvelous Oak G	32	Oak
TIN-2104K	Salone Eucalyptus G	33	Eucalyptus
TIN-2105K	Akiguri BR	34	Chestnut
TIN-2107K	Marvelous Oak BR	35	Oak
TIN-2108K	Ragosh Mahogany BR	36	Mahogany
TIN-2109K	Salone Eucalyptus BR	37	Eucalyptus
TIN-2110K	Allegro Cherry G	38	Cherry
TIN-2111K	Blaliss Wood DG	39	Silky oak
TIN-2112K	Mode Metal LG	40	Abstract
TIN-2113K	Mode Metal BR	41	Abstract
TIN-2114K	Mode Metal BL	42	Abstract
TIN-001K	Mercury White	43	Ovankol
TIN-004K	Foschia Elm L	44	Elm
TIN-005K	Soleil Tineo L	45	Tineo

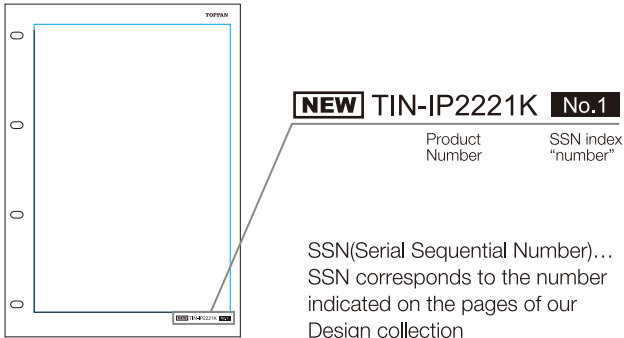
Product Number	Product Name	SSN (Serial Sequential Number)	Pattern / Species
TIN-006K	Yoguri N	46	Chestnut
TIN-007K	Queen Ash N	47	Ash
TIN-008K	Norte Oak N	48	Oak
TIN-009K	Primary Oak N	49	Oak
TIN-010K	Precious Oak M	50	Oak
TIN-011K	Raffine Cherry M	51	Cherry
TIN-013K	Foschia Elm G	52	Elm
TIN-014K	Norte Oak G	53	Oak
TIN-015K	Chalked Sucupira G	54	Sucupira
TIN-016K	Raffine Cherry BR	55	Cherry
TIN-017K	Prime Teak BR	56	Teak
TIN-018K	Snug Walnut BR	57	Walnut
TIN-021K	Bliss Walnut BR	58	Walnut
TIN-024K	Vintage Walnut BR	59	Walnut
TIN-025K	Santos Blend BR	60	Rose
TIN-026K	Rob Rose BR	61	Rose
TIN-028K	Jupiter Ovangkol DG	62	Ovangkol
TIN-029K	Vento Walnut BL	63	Walnut
TIN-031K	Cool White	64	Solid color
TIN-901K	Skrilla Ash WH	65	Ash
TIN-902K	Crema Cedar WH	66	Cedar
TIN-903K	Margaret Elm L	67	Elm
TIN-904K	Haze Oak LG	68	Oak
TIN-905K	Maquillage Elm LG	69	Elm

Product Number	Product Name	SSN (Serial Sequential Number)	Pattern / Species
TIN-906K	Astro Walnut G	70	Walnut
TIN-907K	Lindo Acacia LB	71	Acacia
TIN-908K	Lindo Acacia BR	72	Acacia
TIN-909K	Tandle Walnut DG	73	Walnut
TIN-910K	Legacy Ash DG	74	Ash

G-shade - Color Index -

Product Number	Product Name	SSN (Serial Sequential Number)	Pattern / Species
TGS-001K	Vanilla coconut	75	Solid color
TGS-002K	Silver Leaf	76	Solid color
TGS-003K	Compeito	77	Solid color
TGS-004K	Marron Milk	78	Solid color
TGS-005K	Coffee Fudge	79	Solid color
TGS-006K	Pearl Pistachio	80	Solid color
TGS-007K	Caramel Sand	81	Solid color
TGS-008K	Cacao Nib	82	Solid color
TGS-009K	Black Sesami	83	Solid color
TGS-010K	Silky Milk	84	Solid color

About the Notation System



NEW TIN-IP2221K **No.1**

Product Number SSN index "number"

SSN(Serial Sequential Number)...
SSN corresponds to the number indicated on the pages of our Design collection

Product Specification

(PREMIUM SURFACE COLLECTION / G-shade)

Usable Width	1,260 mm
Quantity Per roll	250 mm

Global Design Concept

2023-2024

Better me Better we

Over the next years consumers behaviors will continue to be affected by new value systems, priorities and lifestyles impacted by our present complex world. The need for safety, naturality, mental health will have a lasting impact on future Interiors. Through digital, escapism or new patrimonial codes, consumers and creators of all sort will work together to shape a better future.

"Better me Better we" is a sensibility that leads to a better future by touching each and every individual's feeling of goodness, rather than fitting the ordinary. This context champions incremental steps towards the future, emancipating us from grandiose thinking to actionable reality, and thus a better to chance to feel hope.

Texture patterns that mix various identities colors the material and space that gently draws a "social good" toward the future. Please feel and empathize with the aspect of the concept, space and CMF.



YESTERDAY'S FUTURES

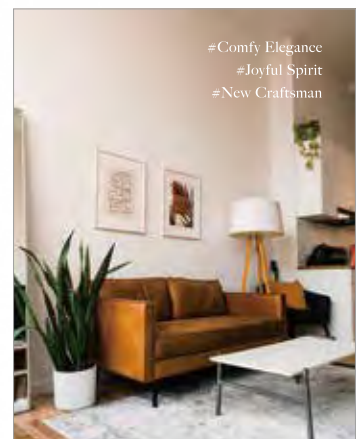
Individuality is born from a repetition of experiences and discoveries. Today, physical spaces are viewed as a way to express and explore our identities, combining different cultural and historical elements to create a sense of nostalgic comfort.

A space that harnesses the power of familiarity and deja-vu can create a sense of comfort and security.

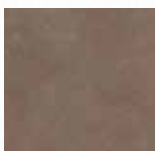
Designers are playing a key role in shaping this new culture by blending new and traditional forms.



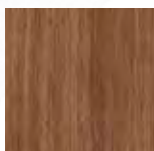
#Timeless #Fusion #Nostalgic



#Comfy Elegance
#Joyful Spirit
#New Craftsman



TIN-2208K



TIN-2225K



TIN-IP2227K

AESTHETE NATURALITY

We are at a phase of re-evaluating personal healing. Instead of focusing on precise geometries, the values are held in natural and soft forms. Natural materials take center stage in interior design, conveying peace through their texture. The warmth of nature envelops the space, providing comfort to its inhabitants. In response, organic designs featuring greenery are becoming increasingly popular as a way to create open and nature-inspired spaces that promote relaxation and productivity. This approach has become a new and creative category of interior design, with hotels and restaurants also adopting it to create private spaces for remote workers.



#Earth Synergy #Nature Way



#Imperfection
#Minimalist
#Wellness



TIN-2201K



TIN-2202K



TIN-2205K



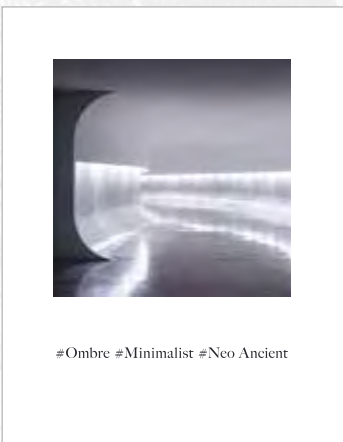
TIN-IP2226K

PHYGITAL IMMERSION

This captivating style blends reality and virtual space, sparking new ideas. Technological progress has broadened our range of lifestyle options. People are no longer seeking perfectly coordinated homes or furniture sets, but juxtaposing traditionally crafted decor and furnishing with unique unconventional designs. As new creativity demands innovative materials, reconstructed artifacts and sustainable resources continue to evolve.



#Digital Reverie
#Meta Living
#Joyful



#Ombre #Minimalist #Neo Ancient



TIN-2203K



TIN-2204K



TIN-IP2221K



TIN-IP2222K

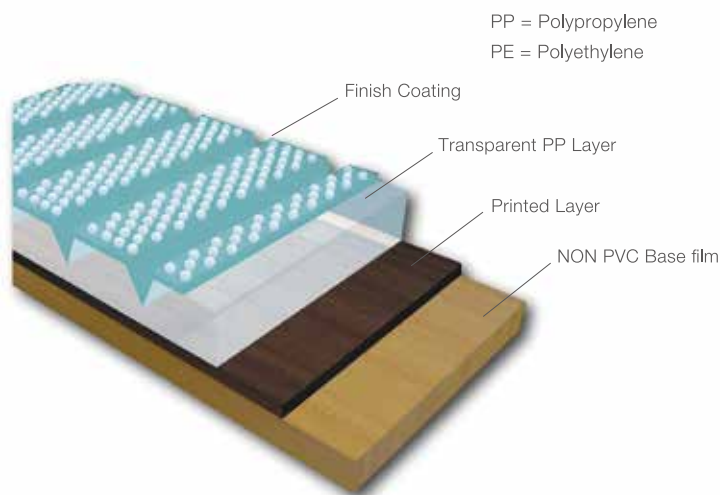
Toppan Decorative NON-PVC Film

PREMIUM SURFACE COLLECTION

- Finely textured wood grains from various wood species
- High fidelity print with cutting-edge designs
- Pre-finished surface for enhanced durability and performance
- High process-ability and simple installation

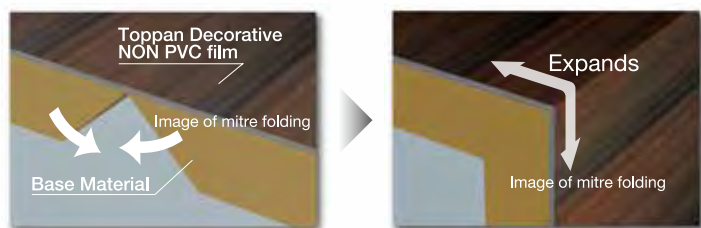
Materials and Layer configuration

Toppan Decorative NON PVC film is the perfect alternative to solid timber that consists of polyolefin-based printed film with Japanese high-definition printing technology. Toppan's finish coat surface technology enhances the product durability and can be used for versatile applications.



Flexible and Easy to Process

Toppan Decorative NON PVC film's flexibility makes it suitable for a wide range of processing methods, including mitre folding, and profile wrapping.



Eco-friendly

- Toppan Decorative NON PVC film contains no heavy metal, chlorine or plasticizer.
- Materials used for Toppan Decorative NON PVC film contain no formaldehyde or volatile organic compounds (VOC).

Features and Advantages



Antibacterial Finish

Toppan's new technology makes film surface antibacterial to provide safer living spaces.



Scratch Resistance [Gem Coating]

The hardness of Toppan's Gem Coating helps to reduce scratches on the surface.



Stain Resistance [Easy Clean Coating]

Special coating recipe is contributing to the "Easy Clean" properties. For details please see technical information.



Weather Resistance

Very good light fastness as an interior surface material - 2000 hours in Open frame sunshine carbon-arc testing.



Chemical Resistance

Special coating protects from chemicals. For details please see technical information.

ARNSBERG

DUSSELDORF

BARCELONA

TOKYO

SHANGHAI

GEORGIA

... Manufacturing Plant

... Sales Office

DOMESTIC BASES

Toppan Inc.



Global Head Office
(Tokyo, Japan)

Toppan Decor Products Inc.



Satte Factory



Kashiwa Factory

OVERSEAS BASES



Toppan Interamerica Inc.
(Georgia, U.S.A)



Toppan Europe GmbH
(Düsseldorf, Germany)



Toppan (Shanghai)
Management Co., Ltd.
(Shanghai, China)



Interprint GmbH
(Arnsberg, Germany)

Proposal for the Optional Finishes

Toppan offers the optional finishes, "Antiviral Finish" and "Smart NANO® Finish". Please contact a sales representative for details.

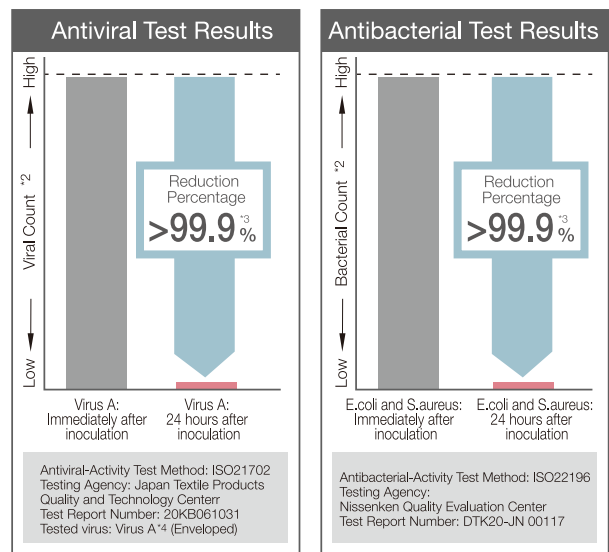
Option 1 : Antiviral Finish

In addition to the standard antibacterial finish, Antiviral property can be added.

Certified by SIAA!
Providing safe, reassuring and comfortable interior spaces

"Antiviral finish"
can also be added to our standard antibacterial finish

Antiviral / Antibacterial Test Results ^{*1}



*1. Test results are provided as an example only, not to be used to guarantee performance.
 *2. "Viral count" and "bacterial count" are used in place of sharing detailed information prohibited by the Pharmaceuticals and Medical Devices Act.
 *3. Calculated by our company from the result data in the test report.
 *4. Due to the Pharmaceuticals and Medical Devices Act (Act on Ensuring Quality, Efficacy, and Safety of Pharmaceuticals and Medical Devices), the virus cannot be specified and therefore is identified as "Virus A," in this document.
 *5. Antiviral and antibacterial test results gained from Japanese testing organizations based on ISO standards.
 *6. Check your country's regulations to use the antiviral and antibacterial finishes legally.

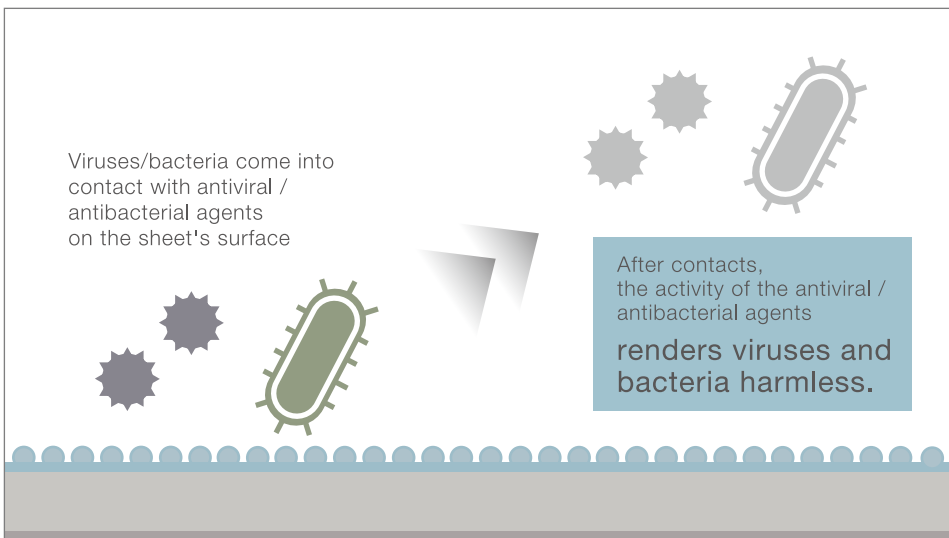


the SIAA brand mark is borne on products evaluated according to ISO 21702 and they are under quality control and information disclosure by the guidelines of the Society of International sustaining growth for Antimicrobial Articles.
 It can reduce the number of specific viruses on the product.
 The antiviral surface treatment does not aim to cure or prevent viral diseases.
 It conforms to SIAA's safety requirements.



the SIAA brand mark is borne on products evaluated according to ISO 22196 and they are under quality control and information disclosure by the guidelines of the Society of International sustaining growth for Antimicrobial Articles.

Schematic Illustration of the Antiviral / Antibacterial Finish



Viruses

Viruses proliferate by invading the cells of human or other organisms. Approximately 0.02-0.3µm in size.

Bacteria

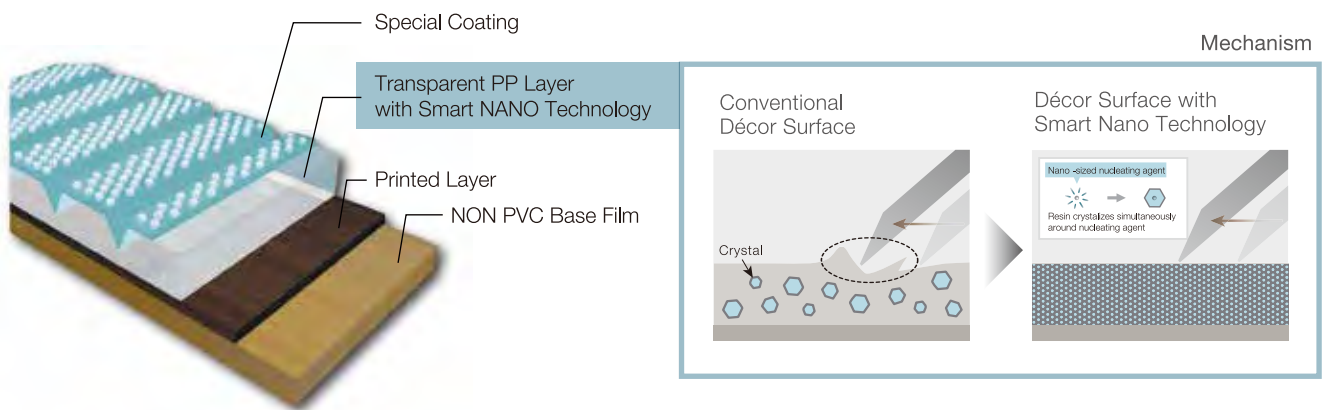
Unicellular organisms. Grow in nutrient-rich conditions. Approximately 1-10µm in size

Option2 : Smart NANO® Finish



Smart NANO® is another significant technical innovation, coming 20 years after Toppan became the first company to develop NON-PVC décor surfaces. Smart Nano technology is based on "Supercritical CO₂ Reverse Phase Evaporation Method", which enables our decor surface to achieve significantly improved physical properties.

Layer Configuration

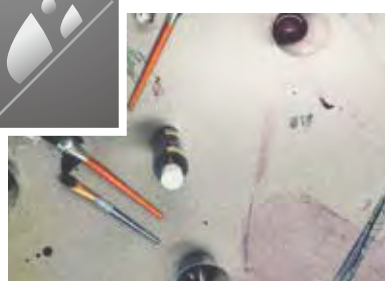


Smart Nano technology enables our décor products to achieve the higher surface resistance than conventional finishes.



High Scratch Resistance

With our advanced crystallization-control technology using special nanosized additives, this product is transparent, flexible and extremely resistant to wear and tear.



High Stain Resistance

By applying Smart NANO® technology, the coating surface becomes rigid. The harder coating helps to prevent the scratches and marring that can occur over time.



High Durability

Surface deterioration caused by UV light can be prevented using the technology we have cultivated in our years of developing decorative printed surfaces. This technology is used within our Smart NANO® PP transparent layer.

GALLERY



CASE 1 : Built in Furniture • Wall Panel Code Number : TIN-IP2136K



CASE 2 : Interior Door • Wall Panel Code Number : TIN-IP2125K



CASE 3 : Kitchen Cabinets • Wall Panels Code Number : TIN-2202K , TGS-010K



CASE 4 : Personal Workspace Interior Code Number : TIN-IP2225K , TIN-2208K

Technical Information - PREMIUM SURFACE COLLECTION -

Properties	Test Method	Result
Dimensional Stability	at 100°C for 15min	MD -7.0 ~ 0 %
		TD -2.0 ~ 2.0%
Tensile Strength	JIS K6732	MD More than 24.5N
		TD More than 19.6N
Elongation at Break	JIS K6732	MD More than 100%
		TD More than 50%
Weathering Resistance	JIS B7753 (Open-flame sunshine carbon-arc)	2000 hrs with no markable change
Chemical Resistance	Separately apply the chemical on the surface of each film. 6 hours later, wipe them off and observe the surface	1% Sodium Carbonate
		5% acetic acid
		1% hydrochloric acid
		Petroleum Benzine
Smudge Resistance	Separately apply the substances on the surface of each film. 6 hours later, wipe them off and observe the surface	Coffee
		Soy sauce
		Worcester sauce
Detergent Resistance	Separately apply the detergent on the surface of each film. 6 hours later, wipe them off and observe the surface	Alkaline detergent
		Neutral detergent
Solvent Resistance	Rubbing over 10 times	Petroleum Benzine
		Ethanol
		Lacquer Thinner
Abrasion Resistance	JAS Abrasion Test C	More than 200 cycles
Scratch Resistance	Rubbing over 20 times with steel wool	No markable change

JIS: Japan Industrial Standard / JAS: Japan Agricultural Standard / MD: In Machine Direction / TD: In Transverse Direction

Technical Information - G-shade -

Properties	Test Method	Result
Weathering Resistance	JIS B7753 (Open-flame sunshine carbon-arc)	2,000hrs. with no markable changes
Chemical Resistance	Separately apply the chemical on the surface of each film, 2 hours later, wash them away with water or wipe them off with neutral detergent, and observe the surface.	2% hydrochloric acid
		2% sodium hydroxide solution
		5% acetic acid
		Petroleum Benzine
		Kerosene
		machine oil
Smudge Resistance-1	Separately apply the substances on the surface of each film, 6 hours later, wash them away with water or wipe them off with neutral detergent, and observe the surface.	Coffee
		Soy sauce
		Worcester sauce
		Blacking shoe cream
		Curry sauce
		"Isodine" Gurgle (povidone-iodine)
		Liquid hair dye
		Insecticide
Smudge Resistance-2	JAS smudge resistance Test B Separately draw a 10 cm line, 4 hours later, wipe them off with detergent or solvent, and observe the surface.	Black ink
		Blue ink
		Red crayon
Detergent Resistance	Separately apply the detergent on the surface of each film, six hours later, wash them away with water and wipe them off, and observe the surface.	Alkaline detergent
		Neutral detergent
		Alkaescen glass cleaner
		Dissolve liquid for removing drain clog
Solvent Resistance (Solvent rub test)	Separately soak absorbent cotton into solvent, rubbing over 20 times on the surface of each sheet, and observe the surface.	Ethanol
		Petroleum Benzine
		Lacquer Thinner
		N - hexane
		Kerosene
Scratch Resistance	Coin scratching resistance test	1 ~ 5 kg
	Hoffman scratch resistance test	200 ~ 2000 g
	Pencil scratch test	6B ~ H

*All figures are representative of test data and are not guaranteed.

PREMIUM SURFACE COLLECTION 1

INTERPRINT DESIGN LINEUP



CHECK

Here to see the full layout!

Scan the QR code to access our website for full image layouts of our designs.

INTERPRINT DESIGN

Making use of Toppan's global network, we can now offer 7 new designs that are matched to designs from Interprint.

IP linked Color Index

No	Product Number	Product Name
1	TIN-IP2221K NEW	Mysa WG
2	TIN-IP2222K NEW	Mysa LG
3	TIN-IP2223K NEW	Mysa BG
4	TIN-IP2224K NEW	Mysa B
5	TIN-IP2225K NEW	Mysa DB
6	TIN-IP2226K NEW	Marte WW
7	TIN-IP2227K NEW	Marte GW
8	TIN-IP2121K	Patinato Oak L
9	TIN-IP2122K	Auerbach Oak L
10	TIN-IP2123K	Tiwood N
11	TIN-IP2125K	Maribo Oak M
12	TIN-IP2126K	Fleedwood M
13	TIN-IP2127K	Ambassador N
14	TIN-IP2129K	Fleedwood G
15	TIN-IP2130K	Maribo Oak G
16	TIN-IP2131K	Patinato Oak G
17	TIN-IP2133K	Ambassador BR
18	TIN-IP2135K	Auerbach Oak DG
19	TIN-IP2136K	Ambassador DB
20	TIN-IP2137K	Paldao DB
21	TIN-IP2138K	Fleedwood BL

Disclaimer

Toppan's Decorative NON-PVC film may not match the color of paper based décor you purchased from Interprint. Please consult our sales representatives for any special requirements and/or requests.

PREMIUM SURFACE COLLECTION 2

LINEUP

LINEUP

No	Product Number	Product Name
22	TIN-2201K NEW	Concise Walnut N
23	TIN-2202K NEW	Quality Oak N
24	TIN-2203K NEW	Quality Oak G
25	TIN-2204K NEW	Quality Oak LG
26	TIN-2205K NEW	Denim BR
27	TIN-2206K NEW	Denim BL
28	TIN-2207K NEW	Minerva Stucco W
29	TIN-2208K NEW	Minerva Stucco DG
30	TIN-2101K	Stylish Maple N
31	TIN-2102K	Marvelous Oak M
32	TIN-2103K	Marvelous Oak G
33	TIN-2104K	Salone Eucalyptus G
34	TIN-2105K	Akiguri BR
35	TIN-2107K	Marvelous Oak BR
36	TIN-2108K	Ragosh Mahogany BR
37	TIN-2109K	Salone Eucalyptus BR
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48	TIN-008K	Norte Oak N
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53	TIN-014K	Norte Oak G
54	TIN-015K	Chalked Sucupira G
55	TIN-016K	Raffine Cherry BR
56	TIN-017K	Prime Teak BR
57	TIN-018K	Snug Walnut BR
58	TIN-021K	Bliss Walnut BR
59	TIN-024K	Vintage Walnut BR
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61	TIN-026K	Rob Rose BR
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65	TIN-901K	Skrilla Ash WH
66	TIN-902K	Crema Cedar WH
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68	TIN-904K	Haze Oak LG
69	TIN-905K	Maquillage Elm LG
70	TIN-906K	Astro Walnut G
71	TIN-907K	Lindo Acacia LB
72	TIN-908K	Lindo Acacia BR
73	TIN-909K	Tandle Walnut DG
74	TIN-910K	Legacy Ash DG

PREMIUM SURFACE COLLECTION 3

G-shade

Introduction of G-shade



Touch & Feel G-shade
The New finish with Anti-Finger Print, Easy to clean,
and silky touch has joined Toppan's PVC Free product line ups

FEATURES

Silky Texture



Extra smooth surface to the touch

Anti-Finger Print Coating



Resistant to smudging and fingerprints

Easy to Clean



See technical information for details

APPLICATIONS



KITCHEN



INTERIOR DOOR



FURNITURE

LINEUP

No	Product Number	Product Name	No	Product Number	Product Name
75	TGS-001K	Vanilla coconut	80	TGS-006K	Pearl Pistachio
76	TGS-002K	Silver Leaf	81	TGS-007K	Caramel Sand
77	TGS-003K	Compeito	82	TGS-008K	Cacao Nib
78	TGS-004K	Marron Milk	83	TGS-009K	Black Sesami
79	TGS-005K	Coffee Fudge	84	TGS-010K	Silky Milk

Disclaimer

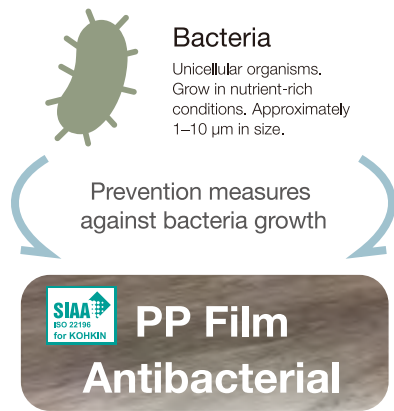
Color deviations between production lots are controlled under Toppan's quality standard. We believe this should fall within commercial tolerance. However there is a possibility that there will still be some color deviation over time because G-Shade is our stock range.

Accordingly, if you expect us to control the color within narrower variation window, we recommend consulting with one of our sales representatives and making a made-to-order purchase instead of buying from our inventory.

The MOQ for made-to-order purchase is 3000m.

Technical information of Antibacterial finish

- PREMIUM SURFACE COLLECTION / G-shade -



Bacteria
Unicellular organisms. Grow in nutrient-rich conditions. Approximately 1–10 µm in size.

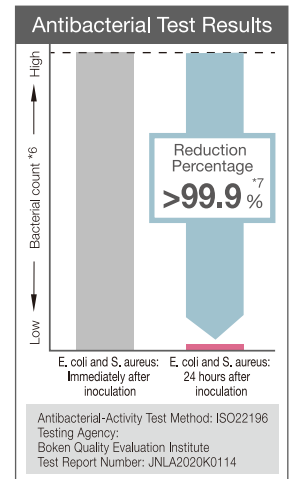
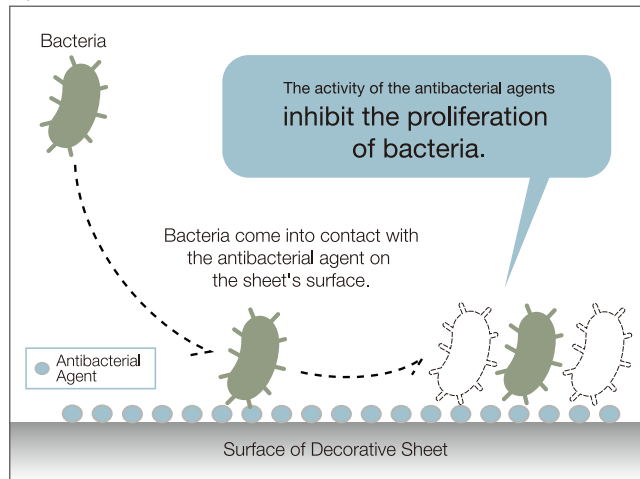
Prevention measures against bacteria growth

SIAA
ISO 22196
for KOHKIN

PP Film Antibacterial

*5. Test results are provided as an example only, not to be used to guarantee performance.
*6. "Bacterial count" is used in place of sharing detailed information prohibited by the Pharmaceuticals and Medical Devices Act.
*7. Calculated by our company from the result data in the test report.

Schematic Illustration of the Antibacterial Finish



Antibacteria Performance (Test Based on ISO22196)

TEST RESULTS		
Water proof	Escherichia coli Antimicrobial Activity Value	6.2
	Staphylococcus aureus Antimicrobial Activity Value	4.4
Light Fastness	Escherichia coli Antimicrobial Activity Value	6.1
	Staphylococcus aureus Antimicrobial Activity Value	4.2

Testing Agency: Boken Quality Evaluation Institute
Test Report Number: JNLA2020K0114
Antibacterial test result are gained from Japanese testing organizations based on ISO standards.

* Check your country's regulations to use antibacterial finishes legally.

The Certificate



the SIAA brand mark is borne on products evaluated according to ISO 22196 and they are under quality control and information disclosure by the guidelines of the Society of International sustaining growth for Antimicrobial Articles.

Intended applications <REMEMBER to thoroughly read the instructions below>

- This product is designed for use in outfitting interiors of buildings.
- Note that this product is not intended for use in any outdoor application nor made to be exposed to continuous direct sunlight.
- This product is designed for furnishings, frames for furnishings, walls, baseboards and other components used in typical living rooms. It is not suitable for countertops, floors and other horizontal surfaces or any locations subject continuously to elevated temperatures.
- During construction, keep this product away from any floodlight projectors, temporary electric lamps, dryers, heaters or other heat sources in order to protect sheet surfaces from possible swelling due to heat.
- The product is designed to offer a high level of shielding, Dependent on base materials (substrate applied to) colored patterns may have slight variations in appearance.

Requirements for processing <REMEMBER to thoroughly read the instructions below>

- This product allows laminating, wrapping or other processing to base materials of plywood, MDF, particleboard, gypsun or other materials.
- There is a possibility of lost embossing, variations in gloss levels and/or other changes dependent on the temperature (100°C or more) used during lamination.
- This product is not compatible with three-dimensional (3D) processing through vacuum forming, membrane pressing or stamping.
- Note that V-groove cutting/folding may cause whitening, cracking of the surface and / or other defects dependent on the processing conditions used.
- This product is not compatible with UV coating or other recoating/postcuring process.
- This product has a special surface coating to protect against possible scratches and contamination. Note that applying adhesive to the top-surface could lead to deteriorated adhesion strength.

Precautions for maintenance <REMEMBER to thoroughly read the instructions below>

- Remove wallpaper glue, putty, adhesive agent, paint or any product as soon as possible.
- For cleaning, use proper neutral detergent, dehydrated ethanol or other alcohol-based agents. Remember to thoroughly remove these agents with water after cleaning.
- Avoid using any strong alkaline and/or acid-based detergents, thinner or other organic solvents.
- For cleaning, only use a soft cloth. Never attempt to use a sponge or other tool containing abrasives.

Notes for handling of products and shelf life <REMEMBER to thoroughly read the instructions below>

- The product may be susceptible to deformation or other defects depending on the temperature and/or humidity during storage. Avoid the following conditions when handling and storing the product.
 - 1) Storage in high temperature and humidity
 - 2) Prolonged storage exceeding the product warranty period and storage in the piled-up condition
 - 3) Storage in any environment exposed to direct sunlight
- The shelf life of this product is 3 months after delivery. Complete the lamination of this product to any base material within the shelf life.

Comparison of Environmental Impact

Toppan NON-PVC décor's environmental footprint

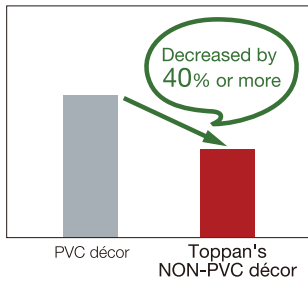
We evaluated the environmental impact using two indicators :

1. Volume of CO₂ Emissions

The volume of CO₂ emissions from the resource extraction stage through the factory production stage was calculated using the LCA method. The volume of Toppan NON PVC décor's CO₂ emissions was kept to around 60% of PVC sheeting.

Data Base: Using IDEA (v.3.2)
 Calculation Rule : Calculated by TOPPAN original rule
 The above calculation result was checked by an external organization in Feb 2023

Volume of CO₂ Emissions per 1m²



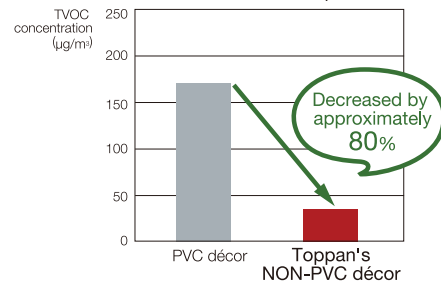
2. Total Volatile Organic Compounds

(Total Volatile Organic Compounds)

Simulated the indoor concentration of total volatile organic compounds (TVOC) emitted from surface sheeting. Indoor concentration kept to about 20% of PVC sheeting.

Extracted sheeting one week after production and estimated emission rate using the small chamber method.

TVOC concentration for furniture with surface sheeting adhered to it (about 1.8 m²) in an about 30 m³ space



* Interim TVOC target value 400 µg/m³ (Ministry of Health, Labor and Welfare)

* Content detailed here is based on our company's reliable analysis and testing methods. However, the content does not guarantee results in actual usage conditions.

RELATED PRODUCTS

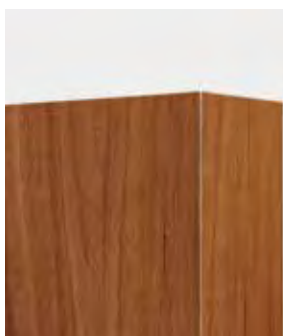


Profile-wrapped wall panel

Profile-wrapped wall panel with Toppan NON PVC décor.
 No need to finish the edges on both ends.
 Total coordination to match interior doors and furnishings is possible.

【Application】

Entryway walls / Interior walls / Corridor walls



Edge Banding

Perfect match made-to-order edge banding is available



Touch Up Marker

The repair marker mends minor damage to fittings and furniture.
 Works best for touching-up minor scratches and defects.

* Please contact one of our sales representatives for details.

CONTACT

TOPPAN INC.

[Global Head Office]

1-5-1 Taito, Taito-ku, Tokyo,

110-8560 Japan

Phone: +81-3-3835-6826

TOPPAN INC.

<https://www.toppa.com/en/>

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