

About 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



Makes you feel
an extra smooth
surface

Anti-Finger print



Fingerprints
hardly mark
the surface

Easy to Clean



See next page
for recommended
cleaning

Chemical Resistance



No remarkable
change. See
next page for
more details

Scratch Resistance



No remarkable
change. See
next page for
more details

Easy to Process



1D and 2D

APPLICATIONS



KITCHEN



INTERIOR DOOR



FURNITURE

Technical Information - G-shade -

Properties	Test Method		Result
Weathering Resistance	JIS B7753 (Open-flame sunshine carbon-arc)		2,000hrs. with no remarkable changes
Chemical Resistance	2% hydrochloric acid	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.	No remarkable changes
	2% sodium hydroxide solution		No remarkable changes
	5% acetic acid		No remarkable changes
	Petroleum Benzine		No remarkable changes
	Kerosene		No remarkable changes
	machine oil	No remarkable changes	
Smudge Resistance-1	Coffee	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.	No remarkable changes
	Soy sauce		No remarkable changes
	Worcester sauce		No remarkable changes
	Blackening shoe cream		No remarkable changes
	Curry sauce		No remarkable changes
	"Isodine"Gurgle (povidone-iodine)		No remarkable changes
	Liquid hair dye		No remarkable changes
	Insecticide	No remarkable changes	
Smudge Resistance-2	Black ink	JAS smudge resistance Test B	No remarkable changes
	Blue ink	Separately draw a 10cm line, 4 hours later, wipe them off with detergent or solvent, and observe the surface.	No remarkable changes
	Red crayon		No remarkable changes
Detergent Resistance	Alkaline detergent	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.	No remarkable changes
	Neutral detergent		No remarkable changes
	Alkalescen glass cleaner		No remarkable changes
	Dissolve liquid for removing drain clog		No remarkable changes
Solvent Resistance (Solvent rub test)	Ethanol	Separately soak absorbent cotton into solvent, rubbing over 20 times on the surface of each sheet, and observe the surface.	No remarkable changes
	Petroleum Benzine		No remarkable changes
	Lacquer Thinner		No remarkable changes
	N - hexane		No remarkable changes
	Kerosene		No remarkable changes
Scratch Resistance	Coin scratching resistance test	1~5kg	2kg
	Hoffman scratch resistance test	200~2000g	1400g
	Pencil scratch test	6B~H	4B

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

Properties	Test Method		Result
Surface Resistance to Cold Liquids	DIN 68861: 2011, par.1	EN 12720 Standard	1C
Surface Resistance to Scratching	DIN 68861: 2013, part.4	EN 15186, met. B Standard	4E
Heat & Wet Resistance	DIN 68861: 2001, par.7 and par.8	EN 12722 and EN 12721 Standard	7E and 8C
Abrasion Resistance	DIN 68861: 2013 par.2	EN 15185 Standard	2A

※All figures are representative of test data by CATAS and are not guaranteed.

■ Intended applications <REMEMBER to thoroughly read the instructions below>

- This product is designed for use for outfitting the interiors of buildings.
- Note that this product is not intended for use in any outdoor and other similar conditions, especially in those places exposed to continuous direct sunlight.
- This product is designed suited for furnishings, frames for furnishings, walls, baseboards and other members or typical living rooms and then, not suited for any countertops, floors and other horizontal surfaces and also any locations subject continuously to elevated temperatures.
- During the construction, pay attention to 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, though remember that colored patterns on the sheet surfaces may look slightly varying according to different base materials used

■ 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, calcium silicate board or other materials.
- Remember that there is a possibility of lost embosses, varied glosses and/or other changes depending on the temperature (100° C or more) for laminating during the extrusion molding.
- This product is not compatible with three-dimensional (3D) processing through vacuum forming, membrane pressing or stamping.
- Note that V-groove cutting may cause whitening, V-shaped cracking or other defects depending on the processing conditions used.
- This product is not compatible with UV coating or other recoating processing to sheet surfaces.
- This product features the sheet surfaces processed with special treatment to protect against possible scratch and contamination and then, remember that gluing the products on top of another could lead to deteriorated adhesion strength.

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

- Remove any wallpaper glue, putty, adhesive agent, paint or other extraneous contaminations immediately as possible.
- For cleaning, use proper neutral detergent, dehydrated ethanol or other alcohol-based agents.
- Remember to thoroughly remove the cleaning agents with water after cleaning.
- Avoid using any strong alkaline detergent, strong acid detergent, thinner or other organic solvents.
- For cleaning, never attempt to use any sponge or other tools containing abrasives but use soft cloth.

■ 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 the delivery. Complete the lamination of this product to any base materials within the period of shelf life.

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