



Rely on it.

RENOLIT PET Laminate Premier Matt

Product Information

Elegant surfaces,
refined with
PST technology
for the kitchen,
furniture and
caravan industries





MATERIAL

ROBUST SMOOTH ELEGANCE – THE LATEST PST TECHNOLOGY.

We have taken our high-tech 1D, 2D and 3D RENOLIT PET Laminates for use in the furniture and caravan industry to the next level.

RENOLIT PET Premier Matt films are finished with an exclusive Physical Surface Treatment technology which combines smart solutions, high quality design and outstanding properties. The matt aesthetic appearance of this new thermoplastic film creates a classic and yet modern contemporary finish: Premier Matt creates trendsetting surfaces for the furniture and caravan industry as well as for special kitchen components.

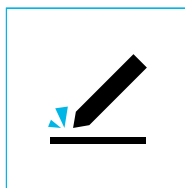
Good design creates beauty – our PST technology keeps it that way.

In particular, areas with heavy use such as kitchens, will benefit from the new technology.

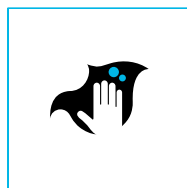
The aesthetic delight of the surface is instantly noticeable; touch the surface and your fingers glide effortlessly over the frictionless silky soft smooth surface which contradicts its robust performance – whether in the kitchen, living area, bedroom, or bathroom, the innovative PST technology creates an extremely functional and tough finish that is both warm and smooth to touch. Just what is needed to protect and keep furniture surfaces looking smart for longer.

RENOLIT Premier Matt has a number of superior properties including:

- Scratch resistant: Reduces day to day scratches occurring keeping your furniture looking like new for longer
- Easy to clean: Simply wipe away cooking splashes and spills with the wipe of a cloth and a mild detergent. Even dried on spills are easy to remove.
- Anti-fingerprint: Greasy and sticky finger marks no longer spoil the clean lines of your kitchen, just buff with a soft dry cloth for the ultimate clean.
- Stain and chemical resistant: Coloured food spills no longer linger, our product is tested according to European standards against a long list of typical foods and liquids. See Properties for further information.



Scratch resistant



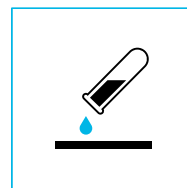
Easy to clean



Anti-Fingerprint

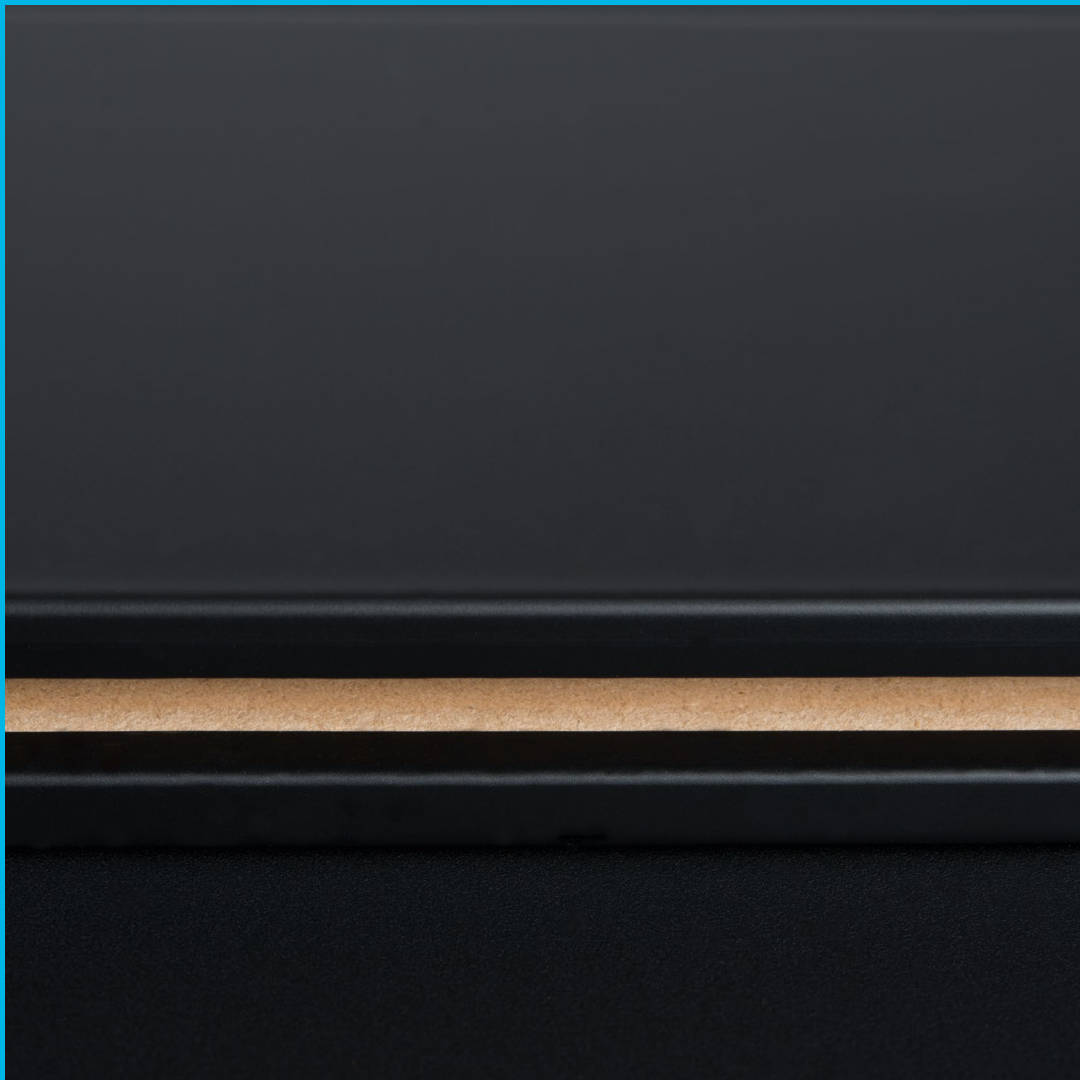


Stain resistant



Chemical resistant

1D FLAT LAMINATION AND 2D WRAPPING



APPLICATION AREAS

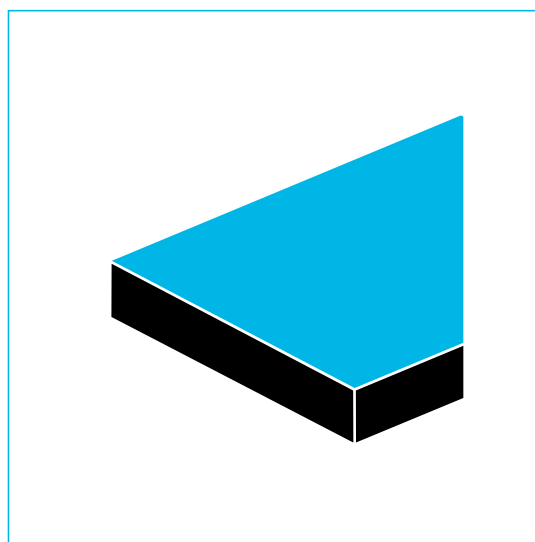
The latest PET products' aesthetic matt appearance is both timeless and yet still modern. Both one and two dimensional interior surfaces are presented in a stylish and fashionable manner.

RENOLIT PET LAMINATE PREMIER MATT 1D & 2D

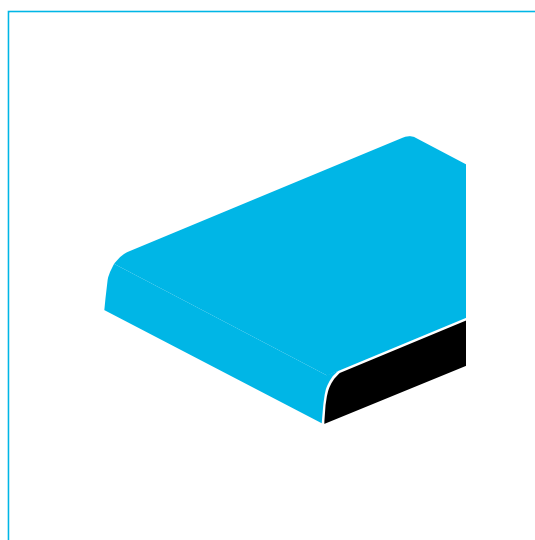
The PET Laminate developed especially for indoor applications, consists of a polyester base with a matt surface for coating wood-based materials.

Refined with our PST technology, it is ideally suited for surfaces that are subject to heavy use. Kitchen fronts and furniture components benefit simultaneously from both the exquisite appearance and its practical functionality in day-to-day use.

The material is proven to be indestructible with the tested scratch resistance of 4D (equals $<1.0 - \leq 1.5$ Newton) in the one-dimensional and two-dimensional application area.



One-dimensional



Two-dimensional

APPLICATION AND PROCESSING

RENOLIT 2D PET Laminate Premier Matt is suitable for wrapping (2D) and laminating (1D) of wood based substrates. If profiles are wrapped with a radius of < 3 mm, specific machine adjustments might be needed.

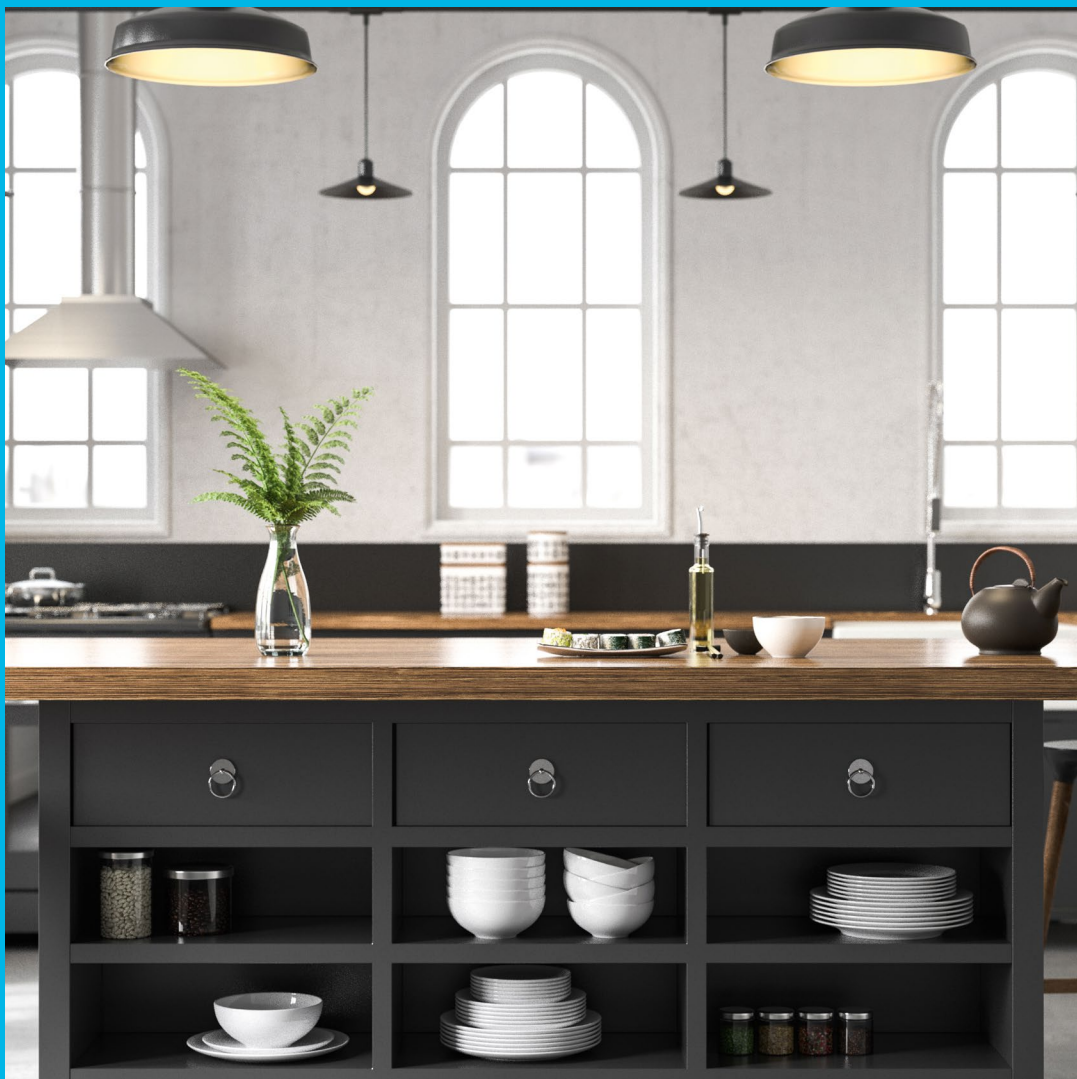
RENOLIT 2D PET Laminate Premier Matt is supplied with a PE self-peeling protective film so that the material is protected from mechanical stress during production. This should only be removed after the furniture has been assembled.

The back of the foil is coated with a primer which facilitates the use of dispersion glue, hot-melt and solvent-based adhesives. The optimum surface stability will be achieved using PUR hot-melt adhesive.



RENOLIT PET Laminate Premier Matt on
one and two-dimensional surfaces

3D THERMOFORMING



APPLICATION

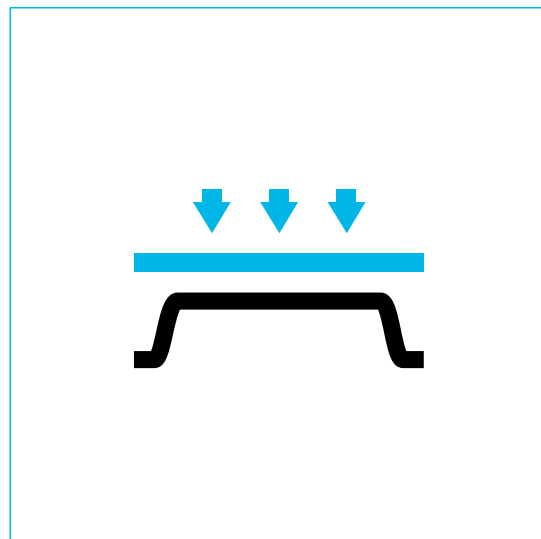
Corners and edges – we love them and know how to deal with them.

Thermoforming of **RENOLIT PET Laminat Premier Matt** is tried and tested and can therefore be used reliably for three-dimensional applications, allowing the matt surface to show its full potential.

RENOLIT PET LAMINATE PREMIER MATT 3D

Created for indoor use, this thermoplastic product is not only suitable for flat lamination but also for thermoforming. In particular, the calm and smooth appearance achieved by our PST technology shows its full elegance on three-dimensional objects.

Optimized for 3D formability, applications for kitchen, furniture and caravan industry are easily achieved. Unique, three-dimensional surfaces can be created that have an outstanding tactile and optical effect.



Thermoforming



RENOLIT PET Laminat Premier
Matt on three-dimensional surfaces

APPLICATION & PROCESSING

RENOLIT 3D PET Laminate Premier Matt, is suitable for the surfacing of wood substrates and is based on polyester (PET). It enables the manufacture of attractive, matt surfaces in a single production step, without cost-intensive multiple sanding and varnishing stages.

RENOLIT 3D PET Laminate Premier Matt is used to produce decorative moulded furniture fronts made from MDF boards. It guarantees trouble-free processing (thermoforming) and is ideal for use in three-dimensional interior applications.

The films are primed on the reverse side to provide excellent adhesion with dispersion, hot-melt and solvent-based adhesives.



RENOLIT PET Laminate Premier Matt effectively used on kitchen fronts

PROPERTIES

PROPERTY [UNIT]	VALUE			TEST METHOD
	1 D	2 D	3 D	
Thickness [mm]	0.60 mm	0.20 - 0.30 mm	0.30 - 0.40 mm	DIN EN ISO 2286-3
Chemical Resistance	1B			DIN EN 12720 Evaluation acc. to DIN 68861/1
Resistance against Micro Scratching [%]	≤ 25 % alternation of gloss			DIN CEN/TS 16611, Method A
Resistance against Micro Scratching	Class 5			DIN CEN/TS 16611, Method B
Resistance against Scratching [N]	4 D (< 1.0 - ≤ 1.5 N)		4 E (≤ 0.5 - 1.0 N)	DIN EN 15186, Method B Evaluation acc. to DIN 68861/4
Resistance against Dry Heat [°C]	Level 5 at 70°C ¹			DIN EN 12722
Resistance against Wet Heat [°C]	Level 5 at 70°C ¹			DIN EN 12721
Colour Consistency (Solid, white and beige colours) ²	$\Delta E \leq 0.50$ $\Delta L \pm 0.30$ $\Delta a \pm 0.20$ $\Delta b \pm 0.30$			DIN 53236 (45/0) DIN 6174
Gloss Level	dark/intensive colours: 2 +/- 1 light colours: 3 +/- 1 DIN EN ISO 2813 (60° measuring head, measured crosswise)		4 +/- 1 DIN 67530 (60° measuring head, measured crosswise)	
Light Fastness	≥ 7			DIN EN ISO 4892-2 DIN EN ISO 105 B 02
Fault Definition	Optical deviations are regarded as faults if they are recognisable with the naked eye from a distance of 50 cm, within 30 seconds in good lighting.			

¹ temperature of the aluminium testing equipment

² in comparison to the saved colour measurement values of the RENOLIT master sample

CLEANING

- Remove stains with warm, diluted soapy water, if necessary with the aid of a soft brush / soft sponge.
- Do not use abrasive, bleaching, oxidizing cleaners (e.g. ATTA, Viss, etc.) or waxes or wood care products/ polishes.

STORAGE CONDITIONS

- Store in a dry clean environment at room temperature with moderate humidity. The material can be stored in unopened packaging. Store away from sources of heat and sunlight.
- Material should be acclimatised 72 hours prior to use at room temperature (about 20°C).
- 2D shelf life: with PE protection film about 3 months.
- 3D shelf life: without PE protection film about 12 months.

ENVIRONMENT

RENOLIT PET Laminate Premier Matt is a polyester film which complies with current REACH legislation.

The formula is free of:

- Halogenes, plasticizers, formaldehyde
- Heavy metals (chrome (VI), cadmium, lead, mercury)



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vinyl^{plus}