
**SCRATCHING
THE SURFACE**
OBERFLÄCHLICH



” THE DEEPEST THING THAT
INTERESTS US
IS USUALLY
THE SURFACE. “

Paul Mommertz (German writer)



PROTECTION FILMS



MOUNTING FILMS



PICTURE FRAMING



PROTECTION FILMS

PROTECTION FILMS INTRODUCTION



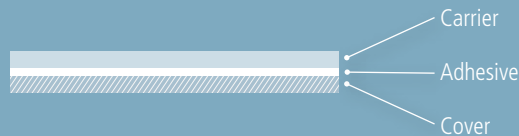
INTRODUCTION PROTECTION FILMS

filmolux®

Protection and enhancement

Our range of protective films includes a large number of protective and enhancement films. These include everything from protective films for classic photos and inkjet prints right through to specialist films for floor graphics, display panels, and functional films.

one-sided adhesive coating on protective films



Six unbeatable arguments

- Protective films enable you to shield prints from mechanical and environmental influences, thus extending their lifespan.
- Different surface properties, glossy, matt or textured, enhance prints and increase their value.
- Designed with water-based, solvent-free, acid-free adhesives.
- The protective films are covered on one side with silicone paper.
- All our protective films are cold laminates and deliver the best results when applied with a laminator. The application of heat (approx. 30 degrees Celsius) favours the result even further.
- Manual application is also an option for smaller formats.

filmolux® – protects and enhances



UV radiation

UVB rays cause inks to fade, resulting in the discoloration of all types of media. Protective films with integrated UV protection slow down or prevent this process, thus extending the lifespan of your prints many times over.



Damage

Mechanical damage can destroy the surface of prints and reduce their value. Applying a protective film safeguards prints from this type of damage and maintains their value.



Enhancement

Glossy, matt or textured – a range of surface properties provide prints with added effects or features and enhance the surface appearance.



Value

Prints which are not protected from mechanical or environmental influences will have a limited lifespan. Applying a protective film extends the lifespan of prints and secures their value.



filmolux®

	<i>photo gloss</i>	<i>photo matt</i>	<i>photo satin</i>	<i>PP gloss</i>	<i>PP matt</i>	<i>PP sand</i>	<i>UV ultra gloss</i>	<i>scratch</i>
Max. width	155 cm	160 cm	155 cm	155 cm	155 cm	124 cm	130 cm	104 cm
Carrier material	PVC	PVC	PVC	PP	PP	PP	PET	PET
Thickness	70 µm	70 µm	70 µm	80 µm	80 µm	140 µm	50 µm	130 µm
Certificates						M1		M1
Dyes								
Dye-based	●	●	●	●	●	●	●	●
Pigment	●	●	●	●	●	●	●	●
(Eco) solvent	●	●	●	●	●	●	●	●
Latex	●	●	●	●	●	●	●	●
Indoor	●	●	●	●	●	●	●	●
Outdoor	●	●	●	●	●	●	●	●
UV protection	●	●	●	●	●	●	●	●
UV-B absorption	90 %	100 %	100 %	15 %	25 %	25 %	95 %	95 %

filmolux® photo

High-quality, transparent protective film in glossy, matt or satin finish for the protection of photographs or digital prints on paper or slides.

- 70 µm soft PVC film available in three surface finishes – glossy, matt or satin.
- These premium quality protective films are particularly suitable for protecting photos or digital prints on paper or slides.
- The different surface finishes offer you the option of mounting your prints in more or less light-sensitive locations.
- The high level of protection from UVB rays (90 - 100%) extends the lifespan of prints and photos by many years.
- Suitable for adhesion to solvent, pigment, (Eco) solvent, UV and latex inks.

filmolux® PP

Environmentally friendly (PVC-free), transparent protective film in glossy or matt finish for the protection of photographs or digital prints on paper or slides.

- The 80 µm PP film is available in two surface finishes – glossy or matt.
- These environmentally friendly protective films are particularly suitable for protecting photos or digital prints on paper or slides.
- The different surface finishes offer you the option of mounting your prints in more or less light-sensitive locations.
- Particularly heat-resistant: can withstand temperatures of up to +100 °C.
- Extremely dimensionally stable
- Suitable for adhesion to solvent, pigment, (Eco) solvent, UV and latex inks.

filmolux® PP sand

Sand-embossed, scratch-resistant, environmentally friendly protective film.

- 140 µm PP film with a fine, sand-embossed surface
- Suitable for protecting photos or digital prints on paper or slides that are often exposed to mechanical or environmental influences.
- The different surface finishes offer you the option of mounting your prints in more or less light-sensitive locations.
- Environmentally friendly alternative (PVC-free)
- Flame retardant in accordance with M1 fire protection certification
- Suitable for indoor and outdoor use
- Particularly heat-resistant: can withstand temperatures of up to +100 °C.
- Dimensionally stable
- Suitable for adhesion to solvent, pigment, (Eco) solvent, UV and latex inks.

filmolux® UV ultra gloss

Crystal clear, highly transparent protective film with a high-gloss surface.

- 50 µm PET film with high-gloss surface
- Especially transparent, high-gloss protective film which strikingly enhances prints and photos.
- Uniquely highlights image details and colour brilliance.
- The high level of protection from UV-B rays (95%) extends the lifespan of prints and photos by many years.

filmolux® scratch

Sand-embossed, scratch-resistant, transparent protective film.

- 130 µm PET film with a fine, sand-embossed surface
- Suitable for protecting photos or digital prints on paper or slides that are often exposed to mechanical or environmental influences.
- The different surface finishes offer you the option of mounting your prints in more or less light-sensitive locations.
- R10 slip resistance rating when used as a protective film for floor graphics
- Flame retardant in accordance with M1 fire protection certification
- Suitable for indoor and outdoor use
- Dimensionally stable
- Suitable for adhesion to solvent, pigment, (Eco) solvent, UV and latex inks.

MOUNTING FILMS

MOUNTING FILMS INTRODUCTION



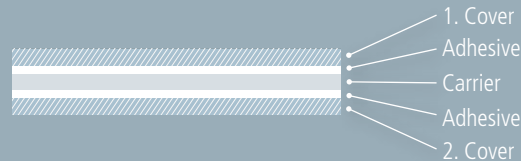
INTRODUCTION MOUNTING FILMS

gudy®

Lamination and mounting

Our range of mounting films includes a large number of double-sided adhesive materials for permanent and non-permanent adhesion to classic photographs, reproductions and inkjet prints on a wide variety of rigid back boards.

two-sided adhesive coating for mounting films



Five unbeatable arguments

- The application of a mounting films enables you to mount photos, inkjet prints, slides and textiles on rigid back boards.
- All our mounting films are designed with acid-free, water-based acrylate adhesives, and are ideal for permanent and non-permanent adhesion.
- Our products are available with single-sided or double-sided silicone paper covering, thus providing you with custom adhesive solutions.
- All our mounting films are cold lamination films, meaning that they can be applied by hand or with the help of a laminator.
- We offer a wide variety of carrier materials combined with various adhesive options, meaning that our products are suitable for a broad range of uses.

MOUNTING FILMS AT A GLANCE

gudy®

permanent adhesive

	802	802 twin	8020	8020 twin	803 power tack	808 PP opaque	PP clear	ultra clear	831 Fine Art smooth	832 Fine Art textured	870
Max. Width	160 cm	160 cm	200 cm	200 cm	160 cm	160 cm	160 cm	152.4 cm	160 cm	160 cm	124 cm
Carrier type	PET	PET	PET	PET	PET	white PP	OPP	PET	paper	paper	No carrier
Thickness	23 µm	23 µm	12 µm	12 µm	23 µm	70 µm	25 µm	12 µm	70 µm	70 µm	No carrier
Release liner	single-sided	double-sided	single-sided	double-sided	single-sided	single-sided	single-sided	double-sided	single-sided	single-sided	single-sided
Primary bond	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent
Secondary bond	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent
Adhesive power	medium	medium	medium	medium	ultra high	medium	medium	medium	high	high	medium
Recommended laminator speed	1-1.5 mpm	1-1.5 mpm	1-1.5 mpm	1-1.5 mpm	1-1.5 mpm	1-1.5 mpm	1-1.5 mpm	0.5 mpm	0.5-1 mpm	0.5-1 mpm	0.5 mpm
Certificates									Photographic Activity Test (PAT) ISO 18916	Photographic Activity Test (PAT) ISO 18916	Photographic Activity Test (PAT) ISO 18916
Recommended board applications											
Aluminium dibond	●	●	●	●	●	●	●	●	●	●	●
Forex	●	●	●	●	●	●	●	●	●	●	●
Kapa	●	●	●	●	●	●	●	●	●	●	●
Museum cardboard	●	●	●	●	●	●	●	●	●	●	●
Glass	●	●	●	●	●	●	●	●	●	●	●
Tempered acrylic	●	●	●	●	●	●	●	●	●	●	●
Untempered acrylic	●	●	●	●	●	●	●	●	●	●	●
Rigid plastic boards (e.g. PVC, PET, HPL, polystyrol)	●	●	●	●	●	●	●	●	●	●	●
Lightweight foam boards	●	●	●	●	●	●	●	●	●	●	●
Wooden boards	●					●					
Veneer	●										
Suitable print media											
PE or Baryta photographic paper	●	●	●	●	●	●	●	●	●	●	●
Digital prints	●	●	●	●	●	●	●	●	●	●	●
100 % rag and alpha cellulose paper	●	●	●	●	●	●	●	●	●	●	●
Smooth fine art paper up to 300 g/m ²											
Textured fine art paper up to 350 g/m ²											
Fine art paper >350 g/m ²											
Low cost graphic paper up to 170 g/m ²											
Textiles					●		●	●	●	●	●
Banner materials					●		●	●	●	●	●
Suitable Neschen laminating machines											
Neschen Photolam 650	●										
Neschen Ecolam 1650	●	●			●		●	●	●	●	●
Neschen Coldlam 1650	●	●			●		●	●	●	●	●
Neschen Hotlam 1650 TH	●	●			●		●	●	●	●	●
Neschen Hotlam 1650 DoubleH	●	●			●		●	●	●	●	●

gudy®

	non-permanent adhesive			
	806 hybrid	window	804	dot
Max. width	130 cm	130 cm	130 cm	155 cm
Carrier type	PVC	PET	PVC	No carrier
Thickness	70 µm	23 µm	70 µm	No carrier
Release liner	single-sided	double-sided	double-sided	single-sided
Primary bond	permanent	permanent	permanent	semi-permanent
Secondary bond	semi-permanent (dot)	removable	removable	semi-permanent
Adhesive power	P-ultra high/R-low	P-high/R-low	P-high/R-low	low
Recommended laminator speed	0.5 mpm	0.5 - 1 mpm	0.5 - 1 mpm	0.5 mpm
Certificates				Photographic Activity Test (PAT) ISO 18916
Recommended board applications				
Aluminium dibond	●	●	●	●
Forex	●	●	●	●
Kapa	●	●	●	●
Museum cardboard	●	●	●	●
Glass	●	●	●	●
Tempered acrylic	●	●	●	●
Untempered acrylic	●	●	●	●
Rigid plastic boards (e.g. PVC, PET, HPL, polystyrol)	●	●	●	●
Lightweight foam boards	●	●	●	●
Wooden boards	●	●	●	●
Veneer	●	●	●	●
Suitable print media				
PE or Baryta photographic paper	●	●	●	●
Digital prints	●	●	●	●
100 % rag and alpha cellulose paper	●	●	●	●
Smooth fine art paper up to 300 g/m²	●	●	●	●
Textured fine art paper up to 350 g/m²	●	●	●	●
Fine art paper >350 g/m²	●	●	●	●
Low cost graphic paper up to 170 g/m²	●	●	●	●
Textiles	●	●	●	●
Banner materials	●	●	●	●
Suitable Neschen laminating machines				
Neschen Photolam 650	●	●	●	●
Neschen Ecolam 1650	●	●	●	●
Neschen Coldlam 1650	●	●	●	●
Neschen Hotlam 1650 TH	●	●	●	●
Neschen Hotlam 1650 DoubleH	●	●	●	●

gudy® 802

High-quality, double-sided adhesive mounting film based on 23 µm transparent polyester film.

Typical areas of application:

- High-quality cold lamination of digital or analogue prints on various rigid boards such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- Easy production of self-adhesive boards
- Perfect for particularly smooth PE or Baryta paper, either for black-and-white or colour images

Product features:

- 23 µm polyester carrier film
- Transparent and cadmium-free
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- Ultra-smooth polyester film preserves the character of the photographic paper
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- Easy to apply with laminators (e.g. Neschen PhotoLam 650), or by hand for small formats
- Solvent-free adhesive
- High final bond strength guarantees reliable long-term adhesion

gudy® 802 twin

High-quality, double-sided adhesive mounting film based on 23 µm transparent polyester film, siliconised on both sides.

Typical areas of application:

- Perfect for particularly sensitive or thin PE or Baryta paper, either for black-and-white or colour images
- High-quality cold lamination of digital or analogue prints on various rigid boards such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- Easy production of self-adhesive boards
- Perfect for format cutting thanks to double-sided siliconisation

Product features:

- 23 µm polyester carrier film
- Transparent and cadmium-free
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Single-sided siliconised glassine paper on every adhesive surface

Advantages:

- Double-sided siliconisation ensures a particularly smooth adhesive surface and a better quality surface for your print
- Ultra-smooth polyester film preserves the character of the photographic paper
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- Easy to apply with laminators, or by hand for small formats
- Solvent-free adhesive
- High final bond strength guarantees reliable long-term adhesion

gudy® 8020

Double-sided adhesive mounting film based on 12 µm transparent polyester film, width 2,000 mm.

Typical areas of application:

- High-quality cold lamination of particularly wide digital prints on various rigid boards such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- Easy production of self-adhesive boards

Product features:

- 2,000 mm wide, 12 µm polyester carrier film
- Transparent and cadmium-free
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- More economical to use due to unique 2,000 mm width
- Superior process stability thanks to ultra-smooth surface
- Ultra-smooth polyester film preserves the character of the photographic paper
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- High final bond strength guarantees reliable long-term adhesion

gudy® 8020 twin

Double-sided adhesive mounting film based on 12 µm transparent polyester film, siliconised on both sides, width 2,000 mm.

Typical areas of application:

- High-quality cold lamination of particularly wide, optically sensitive digital prints on various rigid boards such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- Easy production of self-adhesive boards
- Perfect for format cutting thanks to double-sided siliconisation

Product features:

- 2,000 mm wide, 12 µm polyester carrier film
- Transparent and cadmium-free
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Single-sided siliconised glassine paper on every adhesive surface

Advantages:

- Double-sided siliconisation ensures a particularly smooth adhesive surface and a better quality surface for your print
- More economical to use due to unique 2,000 mm width
- Superior process stability thanks to ultra-smooth surface
- Ultra-smooth polyester film preserves the character of the photographic paper or print
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- High final bond strength guarantees reliable long-term adhesion

gudy® 803 power tack

Double-sided, strongly adhesive mounting film based on 23 µm transparent polyester film.

Typical areas of application:

- For challenging situations e.g. the bonding of heavy and difficult materials such as textiles to demanding surfaces such as OSB boards, concrete walls, etc., but also to classic board materials such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- For trade fairs and shop-fitting as well as applications in the digital printing sector

Product features:

- 23 µm polyester carrier film
- Transparent and cadmium-free
- Permanent, very strong water-based acrylate adhesive
- High adhesive content
- Dimensionally stable, permanently elastic and resistant to ageing
- Glassine paper silicised on both sides
- Wound on itself

Advantages:

- Provides bonding solutions for particularly heavy and difficult materials such as textiles, tarpaulins and artificial leather
- Can also be securely bonded to curved surfaces
- The high adhesive content ensures a permanent bond, even on heavily textured surfaces
- High bond strength without the use of solvent adhesives
- Resistant to ageing
- Dimensionally stable

gudy® 808 PP opaque

Opaque, double-sided adhesive mounting film based on opaque, white 70 µm PP film.

Typical areas of application:

- Opaque, white carrier film for high-quality cold lamination of digital prints or photos on particularly dark materials
- The film's high opacity allows you to reuse boards that have already been laminated or printed. Simply cover with gudy® 808 PP opaque, and the printed surface beneath is almost invisible
- Easy production of self-adhesive boards which obscure the surface beneath

Product features:

- 70 µm polypropylene carrier film
- White, up to 95 % opaque
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Glassine paper silicised on both sides
- Wound on itself

Advantages:

- Images appear particularly colourful and radiant
- Prints retain an excellent level of colour rendering and contrast
- Boards that have already been printed or laminated can be overlaid and reused
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- Easy to apply with laminators (e.g. Neschen PhotoLam 650), or by hand for small formats

gudy[®] PP clear

PVC-free, double-sided adhesive mounting film based on 25 µm transparent polyester film.

Typical areas of application:

- Environmentally friendly (PVC-free) alternative for the production of high-quality cold lamination of digital prints or photos on particularly dark materials
- Delivers excellent results when used in combination with Neschen's PP-based protective films (filmolux PP gloss and filmolux PP matt)
- Easy production of self-adhesive boards

Product features:

- 25 µm polypropylene carrier film
- transparent
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Kraft paper siliconised on both sides
- Wound on itself

Advantages:

- PVC-free and phthalate-free
- Thanks to their excellent chemical properties, PP films are temperature resistant up to + 100 °C
- pH-neutral, water-based adhesive prevents catalytic processes and safeguards the quality and value of prints in the long term
- Easy to apply with laminators (e.g. Neschen PhotoLam 650), or by hand for small formats
- High final bond strength

gudy[®] ultra clear

Crystal clear mounting film for the mounting of pictures behind acrylic, glass and polycarbonate.

Typical areas of application:

- Crystal clear, highly transparent polyester mounting film for the mounting of high-quality digital and analogue photo prints behind acrylic or glass
- Gives prints an impressive depth of field and presents colour brilliance to perfection
- Used in galleries and museums as well as in private photographic art collections
- Also suitable for the mounting of lenticular films
- Hand mounting not recommended, use a laminating machine such as the Neschen ColdLam or Neschen HotLam
- The bond is particularly stable when reinforced with an aluminium board

Product features:

- 12 µm polyester carrier film
- Highly transparent
- Permanent, water-based acrylate adhesive
- Dimensionally stable, permanently elastic and resistant to ageing
- Siliconised film
- Double-sided

Advantages:

- Highly transparent with excellent optical properties, high brilliance and translucence
- Gives prints a unique depth effect
- High cohesion and peel strength for reliable bonding
- High quality, clear polyester film with low electrostatic charge
- Offers high temperature resistance and long-term durability without yellowing or delamination

gudy® 831 Fine Art smooth

Acid-free, paper-based mounting film for the mounting of lightweight, slightly textured art paper and fine art paper.

Typical areas of application:

- The perfect solution for the professional lamination of lightweight, slightly textured art paper and fine art paper on a variety of rigid boards
- Used by professional and semi-professional providers of art reproductions, photographs and digital art
- The narrow dimensions enable the simple, professional mounting of a range of passe-partout boards
- gudy® 831 Fine Art smooth offers a wide range of applications for bookbinders, restorers and printing houses
- The best results are achieved when used with roll laminators (Neschen PhotoLam, Neschen ColdLam, Neschen HotLam), although hand-mounting is also an option

Product features:

- 50 g/m² raw non-woven carrier film
- Acid-free
- Permanent, water-based acrylate adhesive
- Dimensionally stable and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- High bond strength guarantees secure, long-term adhesion of the paper to the board material
- Permanently elastic adhesive allows dimensional fluctuations in the bonded materials
- The acid-free long fibre material in combination with water-based acrylate adhesive offers the perfect moisture balance between its own moisture and the moisture of fine art paper
- High final bond strength guarantees the quality of your products

gudy® 832 Fine Art textured

Acid-free, paper-based mounting film for the mounting of heavy, textured art paper and fine art paper.

Typical areas of application:

- The perfect solution for the professional lamination of heavy, textured art paper and fine art paper on a variety of rigid boards
- Used by professional and semi-professional providers of art reproductions, photographs and digital art
- gudy® 832 Fine Art textured offers a wide range of applications for bookbinders, restorers and printing houses
- The best results are achieved when used with roll laminators (Neschen PhotoLam, Neschen ColdLam, Neschen HotLam), although hand-mounting is also an option

Product features:

- 50 g/m² raw non-woven carrier film
- Acid-free
- Permanent, strong water-based acrylate adhesive
- Dimensionally stable and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- High bond strength guarantees secure, long-term adhesion of the paper to the board material
- Permanently elastic adhesive allows dimensional fluctuations in the bonded materials
- The acid-free long fibre material in combination with water-based acrylate adhesive offers the perfect moisture balance between its own moisture and the moisture of fine art paper
- High final bond strength guarantees the quality of your products

gudy® 870

Pure adhesion – carrier-free mounting film for particularly smooth, flexible bonds.

Typical areas of application:

- High-quality cold lamination of digital or analogue prints and drawings on various rigid boards such as aluminium, rigid foam, forex, polycarbonate, polystyrene and many more
- Easy production of self-adhesive boards
- Thanks to the transfer adhesive in gudy® 870, the film is ideal for use on boards that will be cut or sawed to size after its application
- Perfect for the professional mounting of lightweight, slightly textured art paper and fine art paper on panels of varying stiffness such as aluminium, Kapa®, Colourmount Fine Mountboards and other well-known board materials
- Also suitable for industrial applications such as punching or die cutting processes

Product features:

- Permanent, water-based acrylate adhesive
- Dimensionally stable and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- Due to the lack of carrier material, it is particularly flexible and supple
- Offers versatile processing options, including cutting after its application
- Reliable even when exposed to high temperatures for a short time
- Water-based acrylate adhesive
- Dimensionally stable
- Resistant to ageing
- pH-neutral and PAT certified
- Suitable for indoor and outdoor use
- Ideal for archiving thanks to PAT-certified material

gudy® 806 hybrid

Double-sided self-adhesive mounting film with one fully adhesive side and one side with dot-shaped adhesive coating.

Typical areas of application:

- For the self-adhesive finishing of non-self-adhesive materials. Easy, bubble-free application thanks to the dot-shaped adhesive coating
- Substrates that are difficult to coat with adhesive can be made self-adhesive with gudy® 806 hybrid
- This enables the bubble-free application, repositioning and residue-free removal of the film on a wide variety of printed products without specialist training
- The dot-coated side can be laminated onto a variety of rigid, smooth-surfaced board materials
- Suitable for use at the POS, in shops and exhibitions, for short-term decoration and much more

Product features:

- 70 µm soft PVC film
- transparent
- Permanent, single-sided, very strong water-based acrylate adhesive
- Second side with dot-shaped coating of a non-permanent adhesive
- Siliconised paper on both sides
- Wound on itself

Advantages:

- The permanent, strongly adhesive side with high adhesive content is also suitable for particularly heavily textured substrates
- The non-permanent side with dot-shaped adhesive coating enables simple, bubble-free application to smooth surfaces
- Overcome technical limitations when coating substrates such as textiles and use gudy® 806 hybrid to make them self-adhesive
- The use of a water-based adhesive enables both strong and weak adhesion
- Can be removed easily and residue-free from bonded substrates

gudy® window

Optically clear, double-sided adhesive film for bonding behind glass.

Typical areas of application:

- Optically clear, double-sided adhesive polyester film for bonding prints behind glass
- Can be applied by hand, easily and bubble-free, to advertising messages and graphics.
This is made possible by an embossed adhesive surface with repositionable adhesive, creating air channels through which the air can escape
- Developed for bonding on smooth, clean, grease-free glass surfaces
- Photos, prints, drawings etc. are laminated on the front for easy, bubble-free application
- For use on shop windows, shop doors, car windows, illuminated showcases etc.

Product features:

- 23 µm polyester film
- Transparent and optically clear
- Permanent adhesive on one side, reversible adhesive on the other
- Easy to detach and reposition, residue-free
- Suitable for indoor use
- One side covered with silicone paper, the other side with embossed PE film

Advantages:

- Highly transparent polyester film enables the optically clear bonding of prints behind glass
- The embossed adhesive surface makes it easy to apply by hand. The air channels allow air to escape, thus avoiding the formation of bubbles. The adhesive surface takes a maximum of 24 hours to homogenise
- The low initial bond strength enables repeated repositioning
- The bond can be removed residue-free for at least six months

gudy® 804

Permanent/non-permanent adhesive mounting film, suitable for use on non-tempered plexiglass, polycarbonate and glass.

Typical areas of application:

- gudy® 804 is suitable for bonding rigid PVC films onto non-tempered board materials such as plexiglass, polycarbonate and glass
- For the production of self-adhesive board materials, with the advantage that many printed substrates can be removed short-term from the non-permanent adhesive board without sustaining damage
- The side covered with embossed film is suitable for sending rolled-up pictures/prints
- Thanks to its double-sided design, the mounting film can be processed as sheet goods

Product features:

- 70 µm soft PVC
- Transparent
- Water-based acrylate adhesive
- Permanent adhesive on one side, reversible adhesive on the other
- Easy to detach and reposition, residue-free
- One side covered with silicone paper, the other side with embossed PE film

Advantages:

- Enables the optically clear bonding of prints to untempered glass, polycarbonate or plexiglass surfaces
- For the production of self-adhesive board materials, with the advantage that many printed substrates can be removed from the adhesive surface without sustaining damage
- The embossed adhesive surface makes it easy to apply by hand. The air channels allow air to escape, thus avoiding the formation of bubbles. The adhesive surface takes a maximum of 24 hours to homogenise
- The low initial bond strength enables repeated repositioning
- The bond can be removed residue-free for at least six months

gudy® dot

Carrier-free mounting film with dot-shaped adhesive coating and easy dot® transfer technology.

Typical areas of application:

- For the mounting of digital or analogue prints on a range of rigid boards such as aluminium, rigid foam, forex, Kapa and many more. Prints can be removed at any time thanks to the easy dot® transfer technology
- Adhesion of photos e.g. in photo albums, on walls or on the fridge
- For the pre-fixing of cotton fabrics which will then be sewn in place
- Perfect for handicrafts e.g. for use in schools

Product features:

- Permanent, water-based acrylate adhesive
- Self-adhesive dots
- Dimensionally stable and resistant to ageing
- Glassine paper siliconised on both sides
- Wound on itself

Advantages:

- Easy, residue-free removal – simply rub the adhesive dots off with your finger
- Ideal for archiving thanks to PAT-certified material
- Due to the lack of carrier material, it is particularly flexible and supple
- Water-based acrylate adhesive
- Dimensionally stable
- Resistant to ageing
- pH-neutral and PAT-certified

gudy® Roller.dot

Handy dispenser with gudy® self-adhesive dots for professional and private use.

Typical areas of application:

- Affixing of paper or textiles in picture frames
- Affixing of prints to board materials
- Photos can be easily affixed in photo albums and removed again without damage
- For the pre-fixing of a range of materials, which can then be further processed in a variety of ways, for example by bonding, sewing and much more
- For everyday use at home, at school or in the office

Product features:

- Self-adhesive dots
- In handy dispenser
- Removable transfer adhesive on PET tape
- Acid-free
- Solvent-free
- Immediate bonding without drying time – can be used anywhere and at any time
- Thanks to its ergonomic design, the dispenser sits comfortably in your hand
- Dispensers available in custom prints – get in touch with us!

Advantages:

- Practical adhesive dispenser for a range of uses
- For adhesion on paper, cardboard, photos, glass, plastic and many other materials
- Rapid, clean, exact adhesion
- Easy to reposition
- Easy, residue-free removal – simply rub off adhesive dots with your finger
- Passed Photo Activity Test (PAT) in accordance with ISO 18932
- Available in custom prints – get in touch with us!

Preparation of protective films and mounting films

1. Storage of rolls:

Rolls of protective film and mounting film should generally be stored vertically or hung up. Storing the rolls on their side causes pressure points and damages the material. The shelf life of all of our products can be found in the respective data sheet.

2. Preparing to laminate

- Check that the laminator rollers are clean and undamaged.
- Your working environment should be as clean and dust-free as possible.
- The rollers must be operated at the correct pressure and temperature.
- Materials must run parallel to each other.
- Materials must be laminated in the middle of the laminator.

3. Drying times for inkjet printing

The drying process for dye or pigment inks takes place from the edge to the middle of the print. Residual moisture in paper or inkjet coating can lead to the formation of bubbles during lamination. Drying time should be a minimum of 24 hours, especially for heavy papers with dark ink.

4. Cold lamination of prints

Neschen's protective films and mounting films are generally cold laminates and can therefore also be processed by hand. However, to achieve the best results we recommend a temperature of 30 °C to 60 °C, as this allows the adhesive to flow easily and avoids silvering effects.

5. Laminator settings

Select the laminator tension settings to avoid stretching or tearing the film and the printed substrate. If the tension is set too high, this can lead to the formation of creases or tunnels and may result in the film detaching from the print medium.

6. Storage after lamination

In order to achieve optimal adhesion between the self-adhesive film, print substrate and board material, the composite product should be stored flat for approximately 24 hours.

Which Neschen laminator is the right one for you?

The first Neschen K600 laminator was presented at the Photokina trade fair in 1974. Since then, Neschen laminators have been the epitome of professional, flexible and reliable lamination machines.

The current range of Neschen laminators offers everything that photographers and service providers could ask for, from price-conscious entry-level devices to high-end multi-functional laminators. Neschen laminators are characterised by their hot and cold lamination options, user-friendly operation, high working speed and wide range of application areas – all in superior quality and at an unbeatable price-performance ratio. Designed by Neschen, made in Europe, providing added value for our customers worldwide. Built not just for our customers, but in collaboration with our customers. During the design phase, we worked closely with users all over the world. Our aim was to build a machine that is as practical as possible for our customers' day-to-day work. Our designers thought it was hugely important that users should be able to carry out as much maintenance as possible themselves.

	NESCHEN Ecolam 1650	NESCHEN Coldlam 1650	NESCHEN Hotlam 1650 TH	NESCHEN Hotlam 1650 DoubleH	NESCHEN Photolam 650
max. working width in mm	1650 mm	1650 mm	1650 mm	1650 mm	650 mm
max. working width in mm	54"	54"	54"	54"	26"
max. working speed	4 m/min.	8 m/min.	12 m/min.	8 m/min.	2 m/min.
Training level	1	2	3	4	1
Working volume	average	average	high	high	average
Cold lamination	●	●	●	●	●
Hot lamination			●	●	
Sealing				●	
Rigid indoor displays	●	●	●●	●●	
Flexible indoor displays	●	●	●●	●●	
Floor graphics	●	●	●●	●●	
Backlit displays	●	●	●●	●●	
Pop-up displays	●	●	●●	●●	
Roll-up displays	●	●	●●	●●	
Photos and prints	●	●	●●	●●	●

Training level:

- 1 = no training necessary
- 2 = minimal
- 3 = moderate
- 4 = intensive

Key:

- Area of application
- Typical areas of application for cold lamination
- Typical areas of application for hot lamination



NESCHEN EcoLam 1650
2,175 mm × 1,220 mm × 500 mm



NESCHEN ColdLam 1650
2,175 mm × 1,320 mm × 550 mm



NESCHEN HotLam 1650 TH
2,175 mm × 1,320 mm × 650 mm



NESCHEN HotLam 1650 Double H
2,175 mm × 1,390 mm × 850 mm



Neschen Photolam 650
1,240 mm × 1,070 mm × 950 mm



PICTURE FRAMING

PICTURE FRAMING INTRODUCTION



filmoplast®

Self-adhesive tape for picture frames

Neschen's range of filmoplast® self-adhesive tapes not only offers high-quality adhesive solutions to meet the stringent requirements of museums and archives; it also includes a large number of products for the most diverse picture framing needs.

Reasons to use filmoplast® self-adhesive tape:

- Acid-free, solvent-free, phthalate-free
- Resistant to ageing
- Permanently elastic
- Non-yellowing
- No penetration after bonding to the substrate
- Practical adhesive tape format in a handy dispenser with separating knife
- No water needed to activate the adhesive

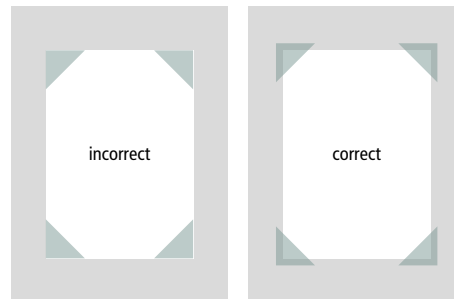
Affixing and mounting of photos/graphics

Mounting of original works

- Valuable originals should never be mounted
- Production of prints of original artworks (photos)
- Ensures that artworks always look perfect within the frame (costs should be secondary, the focus is on the long-term quality of the work)
- For exhibitions lasting six weeks or more, prints should always be mounted
- Stabilises prints in the event of climatic fluctuations
- Affixed without touching the paper so that the paper can work
- For long-term framing, we recommend using stronger PPs or ensuring a greater distance from the glass (e.g. with double PP)

Mounting with mounting corners

- The paper works in the event of changes to the air or humidity
- You must leave space in the mounting corners so the paper can work
- The lower corners must have room to expand to the side, the upper corners to the side and upwards



Practical uses for filmoplast®

Reasons to use filmoplast®

- Easy to use when mounting passe-partouts
- Practical tape format in a handy dispenser complete separating knife
- The slightly alkaline adhesive has sufficient buffer capacity to absorb the acids that are released
- No water needed to activate the adhesive

Mounting with filmoplast®

- Recommended for mounting of prints on photographic paper or giclée
- For all media that must not come into contact with water (e.g. from water-activated archival tapes (Lineco))
- Use filmoplast® to make T-hinges for mounting behind the PP

gudy® Roller.dot

gudy® dot dispenser of dot-shaped transfer adhesive.

- Removable, dot-shaped transfer adhesive on PET tape
- For the mounting of various types of paper in passe-partouts
- Bonding of inkjet paper or photo paper to back boards
- Suitable for use by photo laboratories, restorers, picture framers and museums
- In handy dispenser
- Easy, residue-free removal – simply rub it off with your finger
- pH-neutral
- Acid-free, solvent-free
- Passed Photo Activity Test (PAT) in accordance with ISO 18916

filmoplast® P

Adhesive tape for mounting thin, lightweight prints, photos and artworks in passe-partouts.

- 20 g/m² heavy special paper, coated with water-based acrylate adhesive which is resistant to ageing
- For the mounting of art prints, artworks and reproductions on very thin paper
- Practical adhesive tape format enables easy handling when mounting behind passe-partouts or using passe-partouts
- The adhesive, which is buffered with calcium carbonate, absorbs the acids released when paper ages, thus preventing damage
- Practically invisible thanks to its high transparency after bonding
- Ready for immediate use, no prior moistening of the adhesive necessary
- Certified for resistance to ageing by the Paper Technology Foundation in Munich
- Passed Photo Activity Test (PAT) in accordance with ISO 18916

filmoplast® P 90

Adhesive tape for mounting prints, photos and artworks in passe-partouts.

- 50 g/m² heavy special paper, coated with water-based acrylate adhesive which is resistant to ageing
- For the mounting of art prints, artworks and reproductions on paper up to 300 g/m²
- Practical adhesive tape format enables easy handling when mounting behind passe-partouts or mounting thin passe-partouts on back boards
- The adhesive, which is buffered with calcium carbonate, absorbs the acids released when paper ages, thus preventing damage
- Perfectly connects with the material when folded
- Ready for immediate use, no prior moistening of the adhesive necessary
- Certified for resistance to ageing by the Paper Technology Foundation in Munich
- Passed Photo Activity Test (PAT) in accordance with ISO 18916

filmoplast® P 90 plus

Adhesive tape for mounting prints, photos and artworks in passe-partouts or on back boards.

- 50 g/m² heavy special paper, coated with highly adhesive water-based acrylate adhesive which is resistant to ageing
- For the mounting of art prints, artworks and reproductions on paper up to 300 g/m²
- Practical adhesive tape format enables easy handling when mounting behind passe-partouts or using passe-partouts
- High bond strength enables easy mounting to the back board
- The adhesive, which is buffered with calcium carbonate, absorbs the acids released when paper ages, thus preventing damage
- Perfectly connects with the material when folded
- Ready for immediate use, no prior moistening of the adhesive necessary
- Certified for resistance to ageing by the Paper Technology Foundation in Munich
- Passed Photo Activity Test (PAT) in accordance with ISO 18916

filmoplast® T

Textile adhesive tape for the dust-proof sealing of picture frames.

- 240 µm textile fabric, coated with water-based acrylate adhesive which is resistant to ageing
- For the dust-proof sealing of picture frame backs
- Available in eight colours
- Practical adhesive tape format enables easy handling when mounting behind passe-partouts or using passe-partouts
- High bond strength enables easy mounting to the back board
- Ready for immediate use, no prior moistening of the adhesive necessary

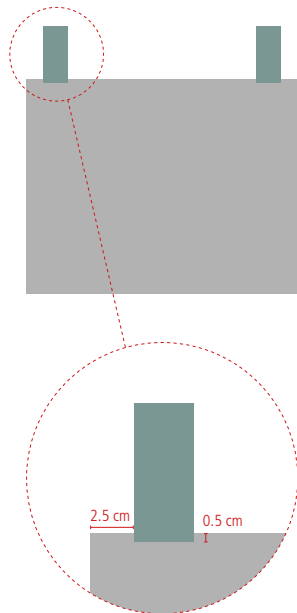
filmoplast® SH

Textile adhesive tape for the bonding of back boards and passe-partouts.

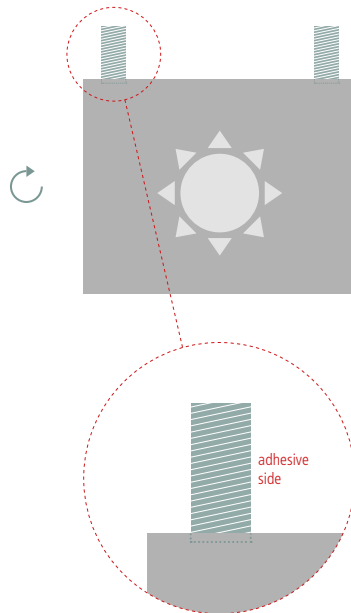
- 170 µm textile fabric, coated with water-based acrylate adhesive which is resistant to ageing
- For creating so-called hinges i.e. the join between the back board and the passe-partout
- Particularly elastic, tear-resistant and easy to fold
- The adhesive coating is solvent-free, acid-free and phthalate-free. It is also permanently elastic, non-yellowing and resistant to ageing
- Practical adhesive tape format enables easy handling when mounting behind passe-partouts or using passe-partouts
- High bond strength enables easy mounting to the back board
- Ready for immediate use, no prior moistening of the adhesive necessary

Making T-hinges with filmoplast®

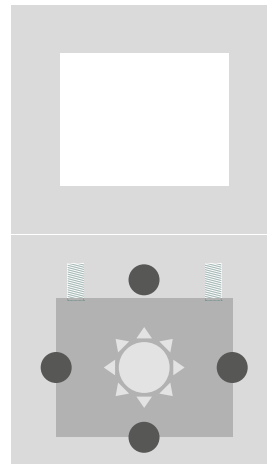
1) On the back of the medium, affix filmoplast® 2.5 cm from the edge on both sides, overlapping the top edge by 0.5 cm.



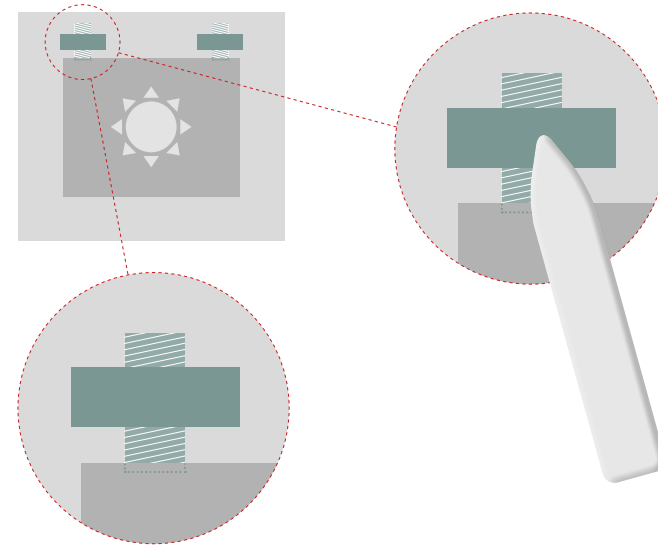
2) Turn the medium over so that the adhesive side of the filmoplast® is facing up.



3) Position the medium in the middle of the back board or behind the passe-partout cut-out and fix in place with a weight.



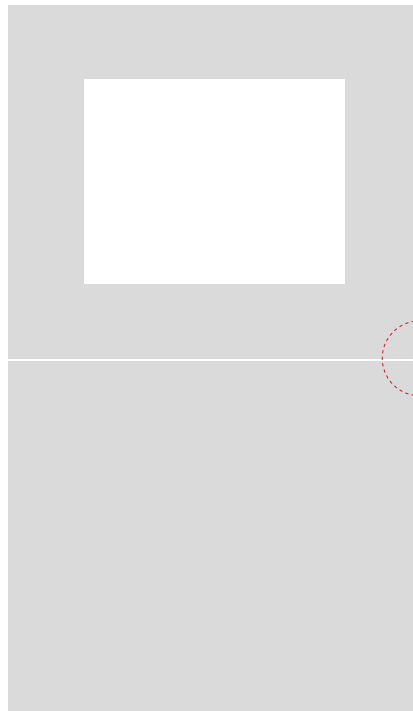
4) Unfold the passe-partout again and place another strip of filmoplast® horizontally across the existing strips to secure the medium on the carrier.



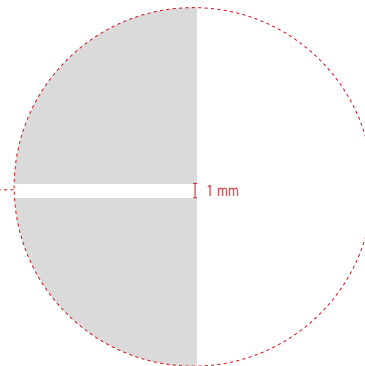
5) Use a burnishing bone to press down firmly on the two horizontal filmoplast® strips.

Mounting a passe-partout with filmoplast®

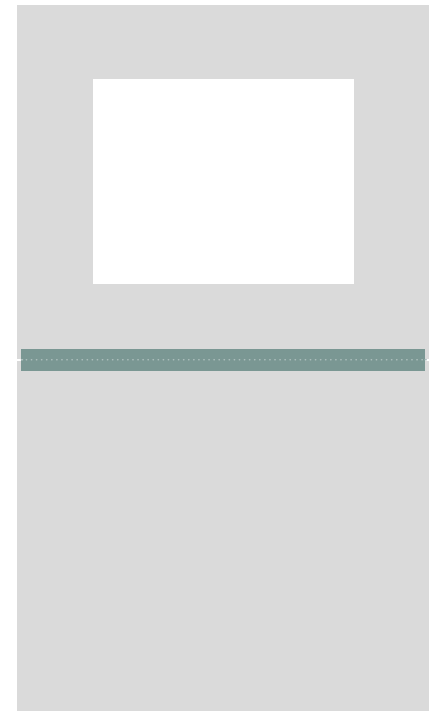
1) Place the top back edge of the passe-partout on the top edge of the back board.



2) Leave a gap of approx. 1 mm between the passe-partout and the back board.



3) Join the two materials together by affixing a strip of filmoplast® over the gap (length of the strip approx. 4 cm shorter than the width of the passe-partout).





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