SWATCHBOOK

GREEN GRAPHICS

PVC
FREE

NESCHEN

THINK GREEN

ALWAYS ONE STEP AHEAD
As an international company, what contribution can we make to reduce impact on the environment? There is no simple answer. Instead, it is an evolution of constantly optimizing production- and business processes, while keeping an eye on the bigger picture: Every step in this direction contributes to preserving our planet for future generations.

SUSTAINABILITY – MORE THAN JUST A TREND
At NESCHEN, we take great care to eliminate materials and practices harmful to the environment from our business activities. For each business area, from graphics media to industrial coatings, NESCHEN has set strict standards for environmentally responsible production. We are convinced that quality and eco-friendliness are compatible. This idea has taken us on a journey to find cleaner solutions that treat our planet more respectfully. Of course, this quest is not an easy one when it comes to self-adhesive films.

WHAT MAKES US GREEN

ENERGY RECOVERY
Our energy management is certified according to ISO 50001 and we use a highly efficient energy recovery system.

PACKAGING
Our corrugated cardboard packaging is fully recyclable and robust enough to be reused.

INNOVATIONS
Innovation in the name of sustainability is the driving force of our company culture.

WASTEWATER MANAGEMENT
Our in-house wastewater treatment facility unburdens the environment.

WHAT MAKES OUR PRODUCTS GREEN

1. **PVC-FREE MATERIALS**
PVC is not considered eco-friendly. It is made of chlorine, carbon, and ethylene. Because it may cause the release of other harmful chemicals, it can harm the environment. Almost all product groups in our portfolio offer a PVC-free alternative using environmentally friendly base materials. We are continuously developing our portfolio into greener and more sustainable solutions.

2. **REACH CONFORMITY AND NO BPA**
In Europe, the REACH regulation for protecting human health and the environment is compulsory for processing and marketing chemicals and formulations. We select raw materials with special care and use only label-free chemicals. This ensures that all manufactured products are safe to use. Our suppliers' safety and environmental standards must meet or exceed the standard regulations. All of our book protection films are free from Bisphenol A.

3. **PAPER RELEASE LINERS**
The majority of self-adhesive media requires a release liner that remains on the product until it is actually used. Did you know that NESCHEN uses release liners made of sustainable paper for more than 90 percent of our products? These papers are sourced exclusively from suppliers who have FSC, PEFC or SFI certifications.

4. **RESPONSIBLE ADHESIVE FORMULATIONS**
Our adhesive formulations are all APEO-free, a surfactant toxic to all organisms living in groundwater. Furthermore, NESCHEN uses water-based and thus solvent-free adhesives.

EXPANSION OF PVC-FREE RANGE

PP

The raw material poly-propylene (PP) is recognized as an environmentally friendly alternative. It is a simply structured synthetic material and occurs as a "by-product" in the petrol industry. Neschen has decided to use PP-films because of the decisive contribution this product can make to preserving nature and environment for future generations.

PET

Polyester (PET) is the most common thermoplastic resin in the polyester family. It is mainly a base material for fiber production in clothing, containers for liquids, and food items. Still, it can also be used as a base material for protection, mounting and printing films. Unprocessed PET material is fully recyclable and is the most reused of all plastics.

PAPER

Paper is a renewable raw material. It is sustainable and ecologically sensible if it comes from certified sources. We pay attention to this when purchasing our materials. Paper is used in many of our products. As a release liner or as base for our easySTYLE architectural and furniture films.

NONWOVENS

Many of our wallpapers are made of PVC-free paper-based nonwoven. It is a vapor-diffusing combination of cellulose and textile fibers that provides a durable wall covering. With paste based on starch and cellulose, you have a sustainable wall covering solution.

CONTENT
PVC-FREE PRINT MEDIA AND FILMS FROM NESCHEN

OVERVIEW
PVC-FREE INKJET MEDIA

Large-format inkjet and, in general, digital print have taken a vital part of everyday life. In many situations, digital inkjet prints offer enrichments of advertising options and individualization of personal living space. Highly evolved print technology, matched inks, and specially designed PVC-free print media – development never stops, and change is the only constant. This swatchbook supports choosing the suitable PVC-free media to achieve optimal and even greener results for any job.

PRINT MEDIA				Ink technology					Application						
PRODUCT OVERVIEW	Material	Thickness (µm)	Certificates	(Eco) Solvent	Latex	UV	Waterbased	Indigo	Backlit	Display	Floor	Label	Flat surface	Wall covering	Window
UVprint PP easy dot® matt	PP	90	EN 13501			●							●		●
UVprint PP easy dot® transparent	PP	60	B1			●							●		●
easy dot® PP matt WB	PP	145	EN 13501				●	●				●	●		●
easy dot® PET matt L-UV	PET	75	EN 13501		●	●							●		●
PP matt backing*	PP	75	B1						●						●

*base white backing film for transparent print media

PRINT MEDIA				Ink technology					Application						
PRODUCT OVERVIEW	Material	Weight (g/m²)	Certificates	(Eco) Solvent	Latex	UV	Waterbased	Indigo	Backlit	Display	Floor	Label	Flat surface	Wall covering	Window
Neschen performance wallpaper smooth	NW	190	EN 13501	●	●	●								●	
Neschen performance wallpaper classic	NW	225	EN 13501	●	●	●								●	
Neschen performance wallpaper stucco	NW	280	EN 13501	●	●	●								●	
Neschen performance wallpaper linen	NW	185	EN 13501	●	●	●								●	
Neschen wallpaper LITE smooth	NW	190	EN 13501	●	●	●								●	
Neschen wallpaper LITE sand	NW	215	EN 13501	●	●	●								●	

NW: Nonwoven

PRODUCT OVERVIEW	Material	Weight (g/m²)	Certificates	Ink technology					Application						
				(Eco) Solvent	Latex	UV	Waterbased	Indigo	Backlit	Display	Floor	Label	Flat surface	Wall covering	Window
Neschen wallpaper L-UV smooth FR	NW	170	EN 13501		●	●								●	
Neschen wallpaper L-UV sand	NW	175	EN 13501		●	●								●	
Neschen wallpaper L-UV smooth adh	NW	150	EN 13501		●	●								●	
Neschen wallpaper L-UV sand adh	NW	170	EN 13501		●	●								●	
Neschen event fleece L-UV adh	NW	150	EN 13501		●	●								●	
Neschen PP wall-grip L-UV smooth	PP	90	B1		●	●								●	
Neschen PP wall-grip L-UV sand	PP	120	B1, R9		●	●					●			●	

NW: Nonwoven

UVPRINT PP
EASY DOT® MATT

▌ 90 µm polypropylene (PP) film
▌ White, semi-matt
▌ High colour brilliance possible
▌ Very flat, smooth media surface
▌ For printing with UV-curable inks,
   including UVgel

ART.-NO.	SIZES
6043391	50 m × 137,2 cm
6043394	50 m × 160 cm

UVPRINT PP EASY DOT® TRANSPARENT

❚ 60 µm polypropylene (PP) film
❚ Transparent, glossy
❚ Highest transparency
❚ Flat, smooth surface
❚ For printing with UV-curable inks,
  including UVgel

ART.-NO.	SIZES
6042598	50 m × 137,2 cm
6042413	50 m × 160 cm

EASY DOT® PP MATT WB

PVC FREE

▌ 145 μm polypropylene (PP) film
▌ White, matt
▌ Scratch-resistant surface
▌ No electrostatic charge after printing
▌ For water-based inks, HP Indigo technology
  and the traditional (oxidising) offset machines
▌ Profiled for HP PageWide

ART.-NO.	SIZES
6044706 (Indigo)	500 m × 33 cm
6039866 (Indigo)	32 cm × 46 cm (100 sheets)
6045359 (Indigo)	53 cm × 75 cm (100 sheets)
6044078 (Inkjet)	30 m × 137,2 cm
6044356 (Inkjet)	50 m × 101,6 cm (HP PageWide)

EASY DOT®
PET MATT L-UV

- 75 µm polyester film
- White, matt
- Flat, smooth surface
- 40% less material compared to PVC (reduces waste volume)
- Contains 25% of post consumer recycled (PCR) content
- Certified for 3rd generation HP Latex inks
- For printing with latex- and UV-curable inks, including UVgel

ART.-NO.	SIZES
6044540	50 m × 137,2 cm
6045005	50 m × 160 cm

PP MATT BACKING

▌ 75 µm polypropylene (PP) film
▌ Warm white, matt
▌ Alternative to full surface white ink overprinting (UV or latex)
▌ Specially designed for lamination onto PP and PET transparent media, like UVprint PP easy dot® transparent
▌ For indoor applications behind glass and as a diffuser for backlit applications

ART.-NO.	SIZES
6044689	50 m × 137,2 cm
6044657	50 m × 160 cm

i The following sample is laminated with UVprint PP easy dot® transparent

NESCHEN PERFORMANCE WALLPAPER SMOOTH

PVC FREE

- ▌ 190 g/m² non-woven
- ▌ PVC-free & solvent-free manufacturing
- ▌ Smooth surface
- ▌ Printable with (eco) solvent-, latex- and UV-curable inks
- ▌ Brushable when printed with UV-curable inks
- ▌ HP latex certification for 3rd generation inks
- ▌ Euroclass (fire test) C-s1, d0 (EN 13501-1)
- ▌ ASTM E84 class A fire certification (US standard)
- ▌ Suitable for liquid lamination

ART.-NO.	SIZES
6037581	50 m × 106.7 cm
6037469	50 m × 160 cm

GREEN WALL

NESCHEN PERFORMANCE WALLPAPER STUCCO

PVC FREE

- 280 g/m² non-woven
- PVC-free & solvent-free manufacturing
- Medium textured, hides surface imperfections
- Printable with (eco) solvent-, latex- and UV-curable inks
- Brushable when printed with UV-curable inks
- Print highlights texture
- Euroclass (fire test) C-s1, d0 (EN 13501-1)
- ASTM E84 class A fire certification (US standard)
- PVC-free alternative for vinyl wallpaper

ART.-NO.	SIZES
6030288	30 m × 106.7 cm
6038700	30 m × 160 cm

GREEN WALL

NESCHEN WALLPAPER L-UV SMOOTH FR

PVC FREE

- 170 g/m² non-woven
- PVC-free & solvent-free manufacturing
- Printable with latex- and UV-curable inks
- Brushable when printed with UV-curable inks
- Euroclass (fire test) B-s1, d0 (EN 13501-1)
  (which allows also applications at ceilings and stairwells)
- Typical application: seasonal outfitting chain stores

ART.-NO.	SIZES
6044471	50 m × 160 cm

GREEN WALL

NESCHEN WALLPAPER L-UV SAND ADH

- 170 g/m² non-woven
- PVC-free & solvent-free manufacturing
- Structured surface, matt silky print
- Perfect for difficult surfaces
- Printable with latex- and UV-curable inks
- Brushable when printed with UV-curable inks
- Euroclass (fire test) C-s1, d0 (EN 13501-1)
- ASTM E84 class B fire certification (US standard)
- B1 test certificate (DIN 4102-1)
- Typical application: seasonal outfitting chain stores

ART.-NO.	SIZES
6041821	50 m × 160 cm

GREEN WALL

NESCHEN
EVENT FLEECE L-UV ADH

PVC FREE

- 150 g/m² digital printable fleece
- PVC-free & solvent-free manufacturing
- Self adhesive with semi-permanent "removable" glue
- Photorealistic print quality
- Printable with latex- and UV-curable inks
- Euroclass (fire test) C-s1, d0 (EN 13501-1)
- Typical application: seasonal outfitting chain stores

ART.-NO.	SIZES
6042426	50 m × 160 cm

GREEN WALL

NESCHEN PP WALL-GRIP L-UV SMOOTH

PVC FREE

- 90 µm white, polypropylene film
- PVC-free & solvent-free manufacturing
- High-tack, permanently elastic acrylic adhesive
- White, matt surface with a smooth structure
- Perfect for difficult surfaces
- Printable with latex- and UV-curable inks
- B1 test certificate (DIN 4102-1)
- Typical application: seasonal outfitting chain stores

ART.-NO.	SIZES
6042651	50 m × 160 cm
6042894	50 m × 137,2 cm

GREEN WALL

NESCHEN PP WALL-GRIP L-UV SAND

- 120 µm white, polypropylene film
- PVC-free & solvent-free manufacturing
- High-tack, permanently elastic acrylic adhesive
- White, matt surface with a sand structure
- Printable with latex- and UV-curable inks
- B1 test certificate (DIN 4102-1)
- R9-certified (DIN 51130), after being printed with UV-curable inks
- Typical application: seasonal outfitting chain stores

ART.-NO.	SIZES
6044672	50 m × 160 cm

GREEN WALL

OVERVIEW
PVC-FREE FURNITURE FILMS

Shorter advertising cycles, changing interior trends or seasonal promotions – easySTYLE is the ideal solution for many applications. It is a fast and economical way for quick changes in interior and store design.

ADVANTAGES:

- Ideal for custom designs
- Fast and easy application
- PVC-free, paper-based surface
- No shrinkage
- Cost- and time-efficient
- Easy removal without residue

TECHNICAL FACTS:

- Required temperature range for processing: 5 °C – 40 °C
- Chemical resistance: easySTYLE is certified according to DIN 68861, 1B to 1D
- Lightfastness: at least 6 on the international wool scale according to DIN EN ISO 105-B02

easySTYLE.
by NESCHEN

CHARACTERISTICS AND APPLICATIONS

easySTYLE is a paper-based self-adhesive film with a variety of decorative styles. easySTYLE has been developed for fast and easy applications on furniture and can be applied to almost all flat and smooth surfaces.

Structured surface	Bubble-free application	Removable without residue	Environmentally friendly	Furniture standard	Paper-based	Shrink-proof

FURNITURE FILMS				Application				
PRODUCT OVERVIEW	Material	Weight (g/m²)	Certificates	Floor	Furnuture	Flat surface	Whiteboard	Pattern
Anthracite Super Matt	Paper/ PET	180			●	●		
Ashton	Paper/ PET	180			●	●		
Canyon	Paper/ PET	180			●	●		
Caspio	Paper/ PET	180			●	●		
Catania Oak	Paper/ PET	180			●	●		
Haitabu	Paper/ PET	180			●	●		
Kiruna	Paper/ PET	180			●	●		
Meton Concrete	Paper/ PET	180			●	●		

FURNITURE FILMS				Application				
PRODUCT OVERVIEW	Material	Weight (g/m²)	Certificates	Floor	Furnuture	Flat surface	Whiteboard	Pattern
Meton Copper	Paper/ PET	180			●	●		
Meton Gold	Paper/ PET	180			●	●		
Norfolk	Paper/ PET	180			●	●		
Rovere Gessato	Paper/ PET	180			●	●		
Sonoma Oak	Paper/ PET	180	R10	●	●	●		
White Super Matt	Paper/ PET	180			●	●		
White High Gloss	Paper/ PET	180			●	●	●	

NORFOLK

ART.-NO.	SIZES
6045406	10 m × 124 cm
6045407	25 m × 124 cm

ORIGINAL PATTERN

easy**STYLE**.
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METON CONCRETE

ART.-NO.	SIZES
6044261	10 m × 124 cm
6044221	25 m × 124 cm

ORIGINAL PATTERN

easySTYLE.
by NESCHEN

CATANIA OAK

ART.-NO.	SIZES
6044252	10 m × 124 cm
6044211	25 m × 124 cm

ORIGINAL PATTERN

easySTYLE.
by NESCHEN

PROTECTION FILMS

OVERVIEW
PVC-FREE PROTECTION FILMS

FILMOLUX® – PROTECTS AND ENHANCES

UV RADIATION: UV-B rays cause inks to fade. Protection films with integrated UV protection slow down or prevent this process, thus extending the lifetime of prints many times over.

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

ENHANCEMENT: Glossy, matt, or textured - various surface properties enhance prints and thus lend them a special effect or an individual function.

VALUE: A print without protection against mechanical or environmental influences has only a limited service life. Equipping the print with a protective film extends its life and ensures the value of prints.

PROTECTIONS FILMS

PRODUCT OVERVIEW	Material	Thickness (µm)	Certificates	Application					
				Display	Floor	Label	Flat surface	Photo	Picture framing
filmolux® PP gloss	PP	80	ISO 22196				●	●	●
filmolux® PP sand	PP	80	M1, R9	●	●		●	●	
filmolux® 2004	PP	25					●		
filmolux® hot scratch 155	PET	88		●			●		
filmolux® S 23	PET	23				●	●		
filmolux® scratch	PET	130	M1, R10	●	●		●		
filmolux® UV ultra gloss	PET	50					●	●	●

FILMOLUX® PP GLOSS

PVC FREE

▌ 80 µm PP film
▌ Glossy
▌ Protects and enhances classic photos, inkjet and digital print media such as paper or PVC
▌ Temperature resistance up to 100 °C
▌ Dimensionaly stable
▌ Waterbased permanent adhesive
▌ PVC-free
▌ Antimicrobial effect (tested according to ISO 22196)

ART.-NO.	SIZES
6042038	50 m × 65 cm
6008723	50 m × 104 cm
6008507	50 m × 130 cm
6020666	50 m × 140 cm
6042800	50 m × 160 cm

FILMOLUX® PP SAND

- 140 μm, PP film
- Sand embossed protection film
- Protects and enhances classic photos, inkjet and digital print media such as paper or PVC
- Temperature resistance up to 100 °C
- Dimensionaly stable
- Waterbased permanent adhesive
- PVC-free
- Fire protection certificate M1
- Suitable for floor advertising / R9-certified (DIN 51130)

ART.-NO.	SIZES
6014651	50 m × 91,4 cm
6014652	50 m × 104 cm
6014653	50 m × 124 cm
6044240	50 m × 137 cm
6044241	50 m × 160 cm

OVERVIEW
PVC-FREE MOUNTING FILMS

For decades, Neschen's gudy® mounting films have been a high-quality solution for a variety of customer demands. From high-end mounting of photos and prints, to point of sale advertising or industrial applications – gudy® mounting films create outstanding results.
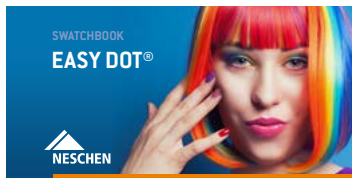
The gudy® portfolio is made for cold lamination, guaranteeing best results after laminating with a laminating machine or by hand.

MOUNTING FILMS				Application				
PRODUCT OVERVIEW	Material	Thickness (µm)	Certificates	Flat surface	Photo	FineArt	Picture framing	Window
gudy® 802	PET	23	ISO 18916	●	●		●	
gudy® 802 twin	PET	23		●	●		●	
gudy® 8020	PET	12		●	●		●	
gudy® 8020 twin	PET	12		●	●		●	
gudy® 803 power-tack	PET	23		●				
gudy® 808 PP opaque	PP	75	ISO 18916	●	●		●	

MOUNTING FILMS				Application				
PRODUCT OVERVIEW	Material	Thickness (µm)	Certificates	Flat surface	Photo	FineArt	Picture framing	Window
gudy® 831 Fine Art smooth	Paper	44	ISO 18916	●		●	●	
gudy® 832 Fine Art textured	Paper	44	ISO 18916	●		●	●	
gudy® 870	no carrier	30	ISO 18916	●	●	●	●	
gudy® dot	no carrier	20	ISO 18916	●	●	●	●	
gudy® PP clear	PP	25	ISO 18916	●	●		●	
gudy® ultra clear	PET	12		●	●		●	
gudy® window	PET	23		●	●			●

HAVE YOU EXPLORED NESCHEN'S OTHER PRODUCT PORTFOLIOS?

EASY DOT®
Self-adhesive media

WALLPAPER
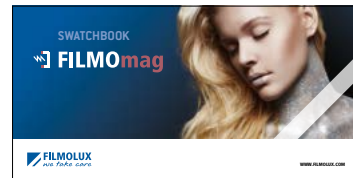Printable wallpapers, PVC-free

FLOOR GRAPHICS
Printable floor stickers

easySTYLE
Self-adhesive furniture film

PROTECTION FILMS
Protects and enhances

FILMOMAG
Magnetic- and ferro films

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