

**PRODUCT OVERVIEW**

**PVC  
FREE**

# GREEN GRAPHICS



[WWW.NESCHEN.COM](http://WWW.NESCHEN.COM)

## WHAT MAKES OUR PRODUCTS GREEN

### 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 (BPA).

### 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.

### 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 friendlier base materials. We are continuously developing our portfolio into greener and more sustainable solutions.

### 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.

**25%**

**DID YOU KNOW** that our easy dot® PET white film contains 25 % of post-consumer recycled (PCR) content?

## EXPANSION OF PVC-FREE RANGE

NESCHEN has developed alternatives based on PP and PET for almost every application to contribute to a sustainable environment for future generations. In addition, paper-based products and nonwovens are generally environmentally friendly solutions. In this way, customers can make a sustainable choice for their products depending on the project.



### PP

The raw material polypropylene (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 reduced impact on the environment.



### PET

Polyester (PET) is the most common thermoplastic resin in the polyester family. It is mainly a base material for fiber production in clothing, bottles 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.

# THINK GREEN!

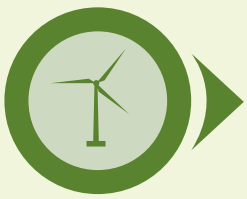
## ALWAYS ONE STEP AHEAD

As an international company, what contribution can we make to reduce impact on the environment? This is a question that we have been addressing for some time and why we know that there is no simple answer. Instead, it is an evolution of constantly optimizing production- and business processes, which actively contribute to protecting our environment. While keeping an eye on the bigger picture: Every step in this direction, however small it may be in the beginning, 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

We use a highly efficient energy recovery system in production and a consistent energy-saving policy. In this way, peak loads on the electricity grid and minimize the plant's energy consumption. In addition, we use a large proportion of electricity that comes from renewable sources. Our energy management is certified according to ISO 50001.



### PACKAGING

NESCHEN's corrugated cardboard packaging is now fully recyclable and robust enough to be reused. We are convinced that we will find even more ways to reduce impact on the environment, and we are working on this in all areas. In addition to focusing on environmentally friendly materials, this includes looking at manufacturing processes and supply chains.



### INNOVATIONS

Innovation in the name of sustainability is the driving force of our company culture, and we believe that sustainable development is only possible with innovative solutions. We can create great success with our sustainable product range by pushing boundaries in our industry.



### WASTEWATER MANAGEMENT

Our in-house wastewater treatment facility feeds the water used for production back into the municipal wastewater system after purification. This system unburdens the environment with several thousand cubic meters of wastewater per year.

**40 %**

**DID YOU KNOW** that our PP and PET material properties save up to 40% in weight? This results in significantly less waste after use.

PRODUCT OVERVIEW						Ink technology					Application						
Category	Product	Material	Thickness (µm)	Weight (g/m²)	Certificates	(Eco) Solvent	Latex	UV	Waterbased	Indigo	Backlit	Display	Floor	Label	Flat surface	Wall covering	Window
EASY DOT®	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		●	●							●		●
	easy dot® PET transparent L-UV	PET	75		EN 13501		●	●			●	●			●		●
DISPLAY MEDIA	printlux® citylight superior	PET	215						●		●	●					
	printlux® nolite 370	PET	365						●		●						
	printlux® PP nolite 210	PP	210						●		●						
	solvoprint® citylight superior	PET	205			●	●	●			●	●					
	solvoprint® nolite 370	PET	365			●	●	●			●						
	solvoprint® PP nolite 210	PP	210			●	●	●			●						
WALL	NESCHEN performance wallpaper smooth	nonwoven		190	EN 13501	●	●	●									●
	NESCHEN performance wallpaper classic	nonwoven		225	EN 13501	●	●	●									●
	NESCHEN wallpaper LITE smooth	nonwoven		190	EN 13501	●	●	●									●
	NESCHEN wallpaper LITE sand	nonwoven		215	EN 13501	●	●	●									●
	NESCHEN wallpaper L-UV smooth FR	nonwoven		170	EN 13501		●	●									●
	NESCHEN wallpaper L-UV sand	nonwoven		175	EN 13501		●	●									●
	NESCHEN PP wall-grip L-UV smooth	PP		90	B1		●	●									●
	NESCHEN PP wall-grip L-UV sand	PP		120	B1, R9		●	●					●				●
WINDOW	solvoprint® window-grip ultra clear	PET		100		●	●	●									●
	solvoprint® window-grip white	PET		125		●	●	●									●
	PP matt backing*	PP		75							●						●

**NON TOXIC**  
  
**DID YOU KNOW** that our PP and PET products burn non-toxically? They are even phthalate-free and recyclable.

**99%**  
**DID YOU KNOW** that our PP, PET, and paper-based films, as well as nonwovens, have nearly no shrinkage? They are almost 99% dimensionally stable and retain their shape!

\*base white backing film for transparent print media

- EN 13501** DIN EN 13501 is a European standard for the classification of fire behavior
- B1** B1 is the class "hardly flammable" for the fire behavior according to the German standard DIN 4102
- M1** M1 is the class "non-combustible" for the fire behavior according to the French standard NF P92-501
- R9/R10** The R-value is the result of the certified slip resistance, according to the German standard DIN 51130
- ISO 18916** ISO standard for Photographic Activity Test (PAT) which evaluates materials for highest archival quality
- ISO 22196** ISO standard test for antibacterial activity and surface properties

PRODUCT OVERVIEW					Application								
Category	Product	Material	Thickness (µm)	Certificates	Display	Floor	Furniture	Label	Flat surface	Photo	FineArt	Picture framing	Window
INTERIOR DESIGN	easySTYLE Anthracite Super Matt	Paper/PET					●		●				
	easySTYLE Ashton	Paper/PET					●		●				
	easySTYLE Canyon	Paper/PET					●		●				
	easySTYLE Caspio	Paper/PET					●		●				
	easySTYLE Catania Oak	Paper/PET					●		●				
	easySTYLE Haitabu	Paper/PET					●		●				
	easySTYLE Kiruna	Paper/PET					●		●				
	easySTYLE Meton Concrete, Copper, Gold	Paper/PET					●		●				
	easySTYLE Rovere Gessato	Paper/PET					●		●				
	easySTYLE Sonoma Oak	Paper/PET		R10		●	●		●				
	easySTYLE White High Gloss	Paper/PET					●		●				
	easySTYLE White Super Matt	Paper/PET					●		●				
MOUNTING FILMS	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					●	●		●	
	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						●	●			●
PROTECTION FILMS	filmolux® 2004	PP	25						●				
	filmolux® PP gloss	PP	80	ISO 22196					●	●		●	
	filmolux® PP sand	PP	80	M1, R9	●	●			●				
	filmolux® scratch	PET	130	M1, R10	●	●			●				
	filmolux® S 23	PET	23					●	●				
	filmolux® UV ultra gloss	PET	50						●	●		●	

**NESCHEN COATING GMBH**

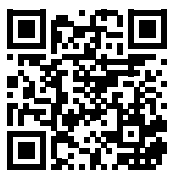
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