





the natural choice

Decal's PVC Free range is the natural choice for those who want to reinforce the offer of **applications in visual communication and interior decoratio**n with more ecological solutions.

A sustainable and safe option for all spaces, respecting the environment and regulatory requirements, maintaining the differentiating properties of decal s brand.

Make your choice and **start applying the future today**.



apply the future today

We can say that we started to develop **environmentally conscious adhesive products** " yesterday" so that today's applications change tomorrow.

We assumed the "**Think green**" commitment over a decade ago and we continue to answer to the needs of the market, which is increasingly looking for **alternative solutions to PVC**.

The planet belongs to everyone and change begins in each person. In your case, you can do it through each application with **products produced without plasticizers** and that combine **ecology and efficiency**.

In this brochure we share the benefits of our **PP** (polypropylene) **films**, which have characteristics that allow you to **print**, **laminate and decorate** with a guarantee of sustainability.

PVC vs PP

What are the plasticizers used in PVCs?

Plasticizers are additives used to make materials more malleable and flexible. Some, like phthalates, are used in the manufacture of soft-PVC (flexible PVC) that is present in adhesive vinyl.

Do plasticizers have negative effects?

Large-scale use of plasticizers can be harmful both for the environment and for human health. In applications, when its migration to the film surface occurs the print quality and lifetime of vinyl decreases. The production of plasticizer-free films eliminates this problem.

What are the advantages of PP films?

PP films only contain carbon and hydrogen and their production does not involve plasticizers, nor the formation of dioxins such as hydrogen chloride and hydrochloric acid. Furthermore, they are resistant to different chemical solvents, acids and bases.

Can polypropylene be recycled?

PP is a thermoplastic material derived from propane and propylene (plastic) and it is possible to recycle, it becomes malleable when subjected to high temperatures. Once separated from other raw materials, it is milled, melted, and transformed into new products, such as textile fibers, food packaging, tableware, and many other materials.

Decal effectiveness

What products does decal's PVC Free range include?

This range includes products for printing and laminating that can be used in indoor and outdoor visual communication campaigns, of short and medium duration, and textured films for interior decoration.

What makes this range different?

The adhesives used in PVC Free films are water-based and, therefore, free of volatile organic compounds (VOC). Not only do they reduce the ecological footprint and protect human beings, they also maintain all the properties that generate decal effectiveness.



Are the products certified?

All products comply with the European regulation REACH (Registration, Evaluation, Authorization and restriction of CHemicals), which controls the production and use of chemical substances and minimizes their consequences on human health and the environment.

What options do I have...

... for printing?

Decal s PVC Free products have **surface treatment with perfect dot fixation**, which allows the application of ecology with increased print quality in the **Sign & Display**, **Architecture & Decoration and Advertising & Promotion** segments.

Their properties allow you to choose between **short or medium term visual communication applications**, making them ideal for luminous signs, signage, window display and wall decoration, promotional campaigns, decoration of car fleets and muppies among other applications.

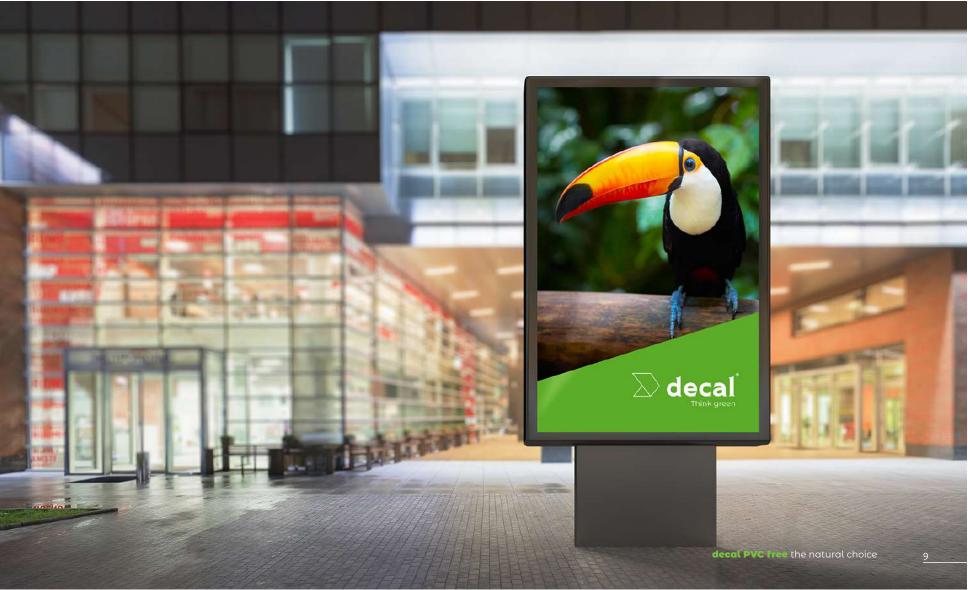
characteristics

- 65mic coated PP films
- UV protection and stabilization
- double side PE liner
- permanent adhesives, permanent bubble free and removable smooth surface bubble free
- white glossy and white matte finishes
- UV LED and latex printing types, with HP Latex certification
- application on smooth, flat and slightly curved surfaces
- up to 4 years of durability*

*unprocessed and when applied under vertical exposure, Central European climate

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... for lamination?

Decal's PVC Free films for lamination are a synonym for double protection. Protecting the planet while **protecting prints** in applications for different market segments with **guaranteed brightness and clarity**.

Their characteristics give them high resistance to humidity, abrasion and chemical products, and the ultra-crystalline adhesive ensures unequalled transparency in applications on glazed surfaces, such as office screens and shop windows in commercial spaces.

characteristics

- 65mic coated PP films
- UV protection and stabilization
- clear acrylic based permanent high tack adhesive
- 62gr glassine liner
- clear glossy finish
- materials printed with water-based inks, solvents, eco-solvents, UV LED and latex
- no air bubbles (silvering effect), no spots (milky effect)
- up to 4 years of durability*

*unprocessed and when applied under vertical exposure, Central European climate





... for decoration?

Alldecor 2d textures protect the environment when decorating **ceilings**, **walls**, **doors**, **furniture**, **caravans**, **boats and other design elements**. Safety reinforced by a formulation free of plasticizer, halogen and formaldehyde and the use of harmless pigments.

They stand out for their **lightness and ease of application** in the first moments. Once applied, **they preserve the identity of each space** due to their impermeability, ease of cleaning, durability of colors and resistance to scratches, stains, water, humidity, mould and light.

aracteristics

- 160mic and 190mic embossed PP films
- texture with thickness between 0.10 and 0.20mm
- clear acrylic permanent high tack adhesive
- 143gr liner double side PE coated fine paper
- UV LED and latex printing methods
- application on flat surfaces
- possibility of customization with printing
- possibility of disposal by incineration (low emissions)
- up to 10 years of durability



free by decal

decal PVC free the natural choice

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product	film	adhesive	liner	printing method
decal PVC Free P PE 65 UVP	PP coated with stabilization and UV protection	Clear acrylic permanent	PE double side coated 140 gr	UV LED and latex
decal PVC Free P BF PE 65	PP coated	Clear acrylic permanent bubble free	Clay coated PE embossed paper 145 gr	
decal PVC Free P BF PE 65 UVP	PP coated with stabilization and UV protection			
decal PVC Free R SS BF PE 65 UVP		Clear acrylic removable smooth surface bubble free		



global protection

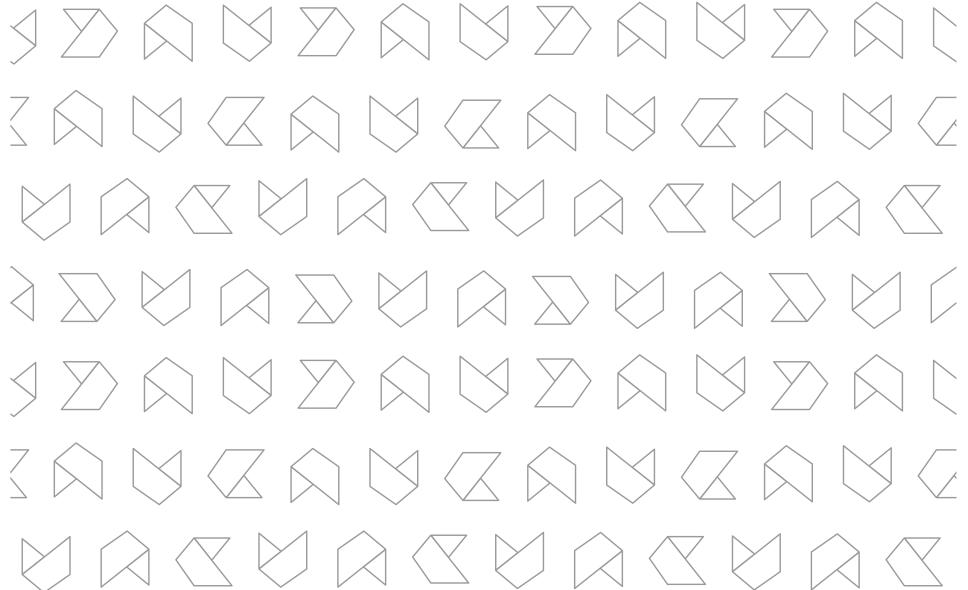
product	film	adhesive	liner	printing method
decal pp overlaminate P HT 65 UVP	PP clear glossy coated with stabilization and UV protection	Clear acrylic based, permanent high tack	Glassine 62 gr	Materials printed with water-based inks, solvents, eco- solvents, UV LED and latex

interior decoration

responsible aesthetics

decal alldecor 2D	film	adhesive	liner	printing method
P HT 160 super matte white	PP embossed	Clear acrylic, permanent high tack	Double side PE coated fine paper 143 gr, matte/gloss	UV LED and latex
P HT 190 monte carlo ligth grey				
P HT 190 oxide glimmer				
P HT 190 makalu concrete				
P HT 190 makalu pearl grey				
P HT 190 plaza stone concrete				
P HT 190 bolegno alaska white				
P HT 190 lagoda marrone				

decal alldecor 2D	film	adhesive	liner	printing method
P HT 190 ribera ash cream	PP embossed	Clear acrylic, permanent high tack	Double side PE coated fine paper 143 gr, matte/gloss	UV LED and latex
P HT 190 monte carlo darkbrown				
P HT 190 mountain cappucino				
P HT 190 sweet chestnut bleache				
P HT 190 makalu concrete copper				
P HT 190 tin sand p				
P HT 190 vintage leather white				
P HT 190 phono welsh darkbrown				





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