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BE CLEAN PRINT GREEN

“We do not inherit the earth from our ancestors;
we borrow it from our children.”



About Kavalan”

“When it comes to the growing threat of climate change and environmental pollution, we are all in the same boat. We all do our bit to cut down in our day-to-day lives, but what about the millions of square metres of PVC banner material used in the advertising / large format digital print industry?

TAYA Groups, with over 50 years’ experience and industry-leading technology, has developed the world’s first environmentally friendly and PVC-FREE range of banner materials, KAVALAN.

Kavalan is PVC-FREE, 100% clean, weighs up to 45% less than its PVC counterparts and boasts superior environmental credentials specifically designed for responsible end-of-life-disposal, so it can be safely disposed of regardless of whether it is recycled, put into landfill or incinerated in Waste-to-Energy schemes.

With the Life Cycle Assessment (LCA) process now completed on the latest range of Kavalan banner materials, the results validate exactly what we already knew that Kavalan is the environmentally superior alternative to traditional PVC banner.

From its significantly *lower carbon footprint* and *lower water consumption*, to its amazing non-toxic biodegradable film, Kavalan is light years ahead of PVC banner.

Brand Values



Since the inception of Kavalan, we have remained committed to our original intention of protecting the environment and preserving the natural world for our future generations through education and the use of measured and transparent sustainable methods. This core belief has never been shaken.

As we continue to expand Kavalan's presence, we truly believe we are the pioneers of a green revolution. It won't be easy and there are many obstacles, but we will prevail for the sake of future generations. Our persistence will only deepen as we continue to develop and produce world-leading environmentally friendly products and awaken the industry to the real impact it is having on the planet. We are dedicated to fully supporting our partners and customers as we continue to develop and produce world-leading environmentally friendly products, so that ‘green’ is no longer just a buzzword.

Kavalan's mission is to continue being the large format printing industry's premier creator of innovative and environmentally friendly materials that will help our customers succeed while helping our planet heal.

FRONTLIT

SUNLIGHT

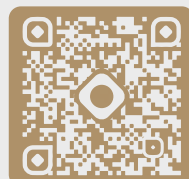
Sunlight is guaranteed to put you in a bright and cheery mood.

Suitable for both external and internal applications, Sunlight is an economical and lightweight frontlit banner material combining the smooth flexibility of a non-PVC material with all the strength and robustness you would expect from traditional PVC.

Its water-based coating gives it the durability to withstand the effects of weather, and it's the perfect solution for signage, events, and exhibitions.

APPLICATIONS

Banners / Billboards / Display frame systems / Signage / Exhibition back wall covers / Roll-up displays / Building wraps



BACKLIT
BACKLIT

MOONLIGHT

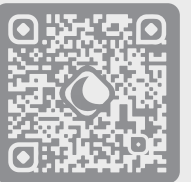
The magic of Moonlight fabric lies in its super-economical attributes. With its non-crease features, specialised coating, and soft finish, Moonlight supports streamlined, cost-effective logistics.

Moonlight's brilliant white surface, intense light transmission, and unbeatable smoothness is perfect for illuminated, emboldened backlit applications, creating vivid colours and highly impactful graphics.

With Moonlight River, the washing and dyeing processes are completely eliminated, significantly reducing overall freshwater usage by 67% and further boosting its environmental credentials.

APPLICATION

Light boxes



SPIDERWEB

Lightweight, strong, and beautiful just like a spiderweb.

This product has the strength, performance, look, and feel of PVC mesh banner, with only half the weight.

Spiderweb delivers excellent 'show-through', as well as unrivalled vibrancy and image quality.

Available in widths of up to 5m, this product is compatible with both UV and Latex ink sets, and is an ideal solution for all your internal and external banner mesh needs.

Spiderweb can also be welded when you bring Kavalan's PVC-free Snail welding tape into the mix.

APPLICATIONS

Mesh banners / Window blinds / Building wraps



BUTTERFLY

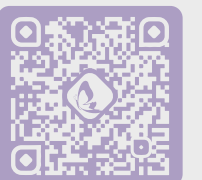
Spread your wings with Butterfly, a double-sided block-out textile material that remains smooth and level, perfect for indoor and short-term outdoor two-way signage and hanging banners.

Butterfly boasts the performance, look and feel of a coated textile or banner material, allows for printing on both sides, and is perfectly compatible with UV and Latex inks.

To top it off, Butterfly Weldable arrives ready to weld, while Butterfly 360 Soft can also be welded using hot wedge and high-frequency welders when used in conjunction with Kavalan PVC-free Snail welding tape.

APPLICATIONS

Banners / Block-out roller blinds / Roll-up displays





GECKO

Specifically made for interior designers, architects, planners and creative agencies, coupled with today's digital printing technologies, there are no limits to creativity when Gecko is applied to customised designs on walls and ceilings.

Available in widths up to 5m, this product is ideal for one-piece paste-up wallcoverings, and for widths of up to 1.52m, there is a self-adhesive backing option to make installation a dream.

APPLICATIONS

Interior wall decorations / Ceiling coverings



WELDING TAPE

SNAIL

Snail is specifically formulated for the welding of Kavalan products.

While Kavalan's weldable solutions, Sunlight Weldable and Butterfly Weldable, deliver perfect adhesion, Snail tape is the perfect companion for all other large format printing materials in the Kavalan range.

PVC-free of course, Snail tape is so easy to use, boasts outstanding adhesive strength, and is perfect for high frequency (HF) and hot wedge (HW) welding.

Regular Width	2.5 cm / 5.0 cm
Roll Length	100 m / roll
MOQ	20 rolls / 10 rolls



DRAGONFLY

Made with Kavalan's PVC-free fabric, Dragonfly is a lightweight PVC-free Keder and is a perfect enhancement for securing outdoor grand format banner applications.

Robust and remarkable like a dragonfly's wings, this Kavalan lightweight PVC-free Keder is perfect for securing and protecting large format banner applications when combined with PP core and Kavalan's PVC-free fabric.

Maximum strength and preservation, without losing impact.

Weld Length	10 mm
Flap Length	30 mm
Core Diameter	6.5 mm / 7.5 mm



KEDER

On behalf of Taya, revered inspection and validation service SGS (formerly Société Générale de Surveillance) has completed LCAs on the latest Kavalan range.

From its significantly lower carbon footprint and lower water consumption, to its amazing non-toxic biodegradable film, the LCAs confirm what we already knew – the eco credentials of Kavalan are far superior to PVC banner.

And we have the numbers to prove it!

The LCA process forms part of the ISO 14000 series of internationally recognised standards for environmental management. It analyses the environmental impact of a product, from cradle to grave, and combines historical data, test results and scientific measurements to produce analysis for various environmental impacts such as climate change, pollution, biodiversity decline, algae growth, and water consumption, among others.

The LCA is perfect for providing direct environmental comparisons between products and allow customers to make purchasing decisions not solely on cost but also environmental impact. The LCA looks at the three stages of a product's life:



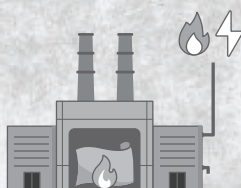
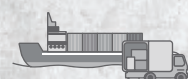
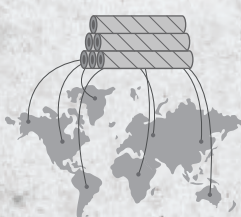
Upstream activities
extraction, production
and packaging of
raw materials



Core activities
transportation,
energy and water usage
and production



Downstream activities
end of life activities
waste management
and disposal



All human activities have an impact on the environment and numerical evaluation provided by the LCA shows we can no longer hide behind subjective assumptions or so called professional opinions; the numbers don't lie!



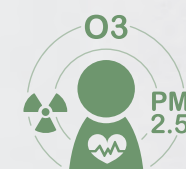
In 2021, Kavalan launched the industry's first certified Eco Calculator, making it easy for businesses to evaluate the significant environmental reductions that Kavalan's PVC-free materials deliver.

The overwhelming positive response from our customers and partners prove they love to engage with the visualisation of the LCA data and the certified logic of the real-world impact reductions.

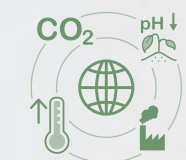
Kavalan's Eco Calculator II (KECII) goes even further to show a holistic picture of the environmental impact contrast between Kavalan products and their PVC and textile counterparts.

Overall LCA Impact Reductions

KECII sorts LCA impacts into three understandable categories:



Human health impacts



Environmental impacts



Resource consumption

Top 5 Individual Impact Reductions

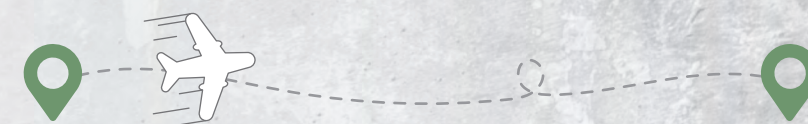
To determine which impact reductions each Kavalan material excels, KECII provides the top five most effective impact reductions.

These reductions are listed in percentage and can be used to help our customers and partners target a specific environmental impact.



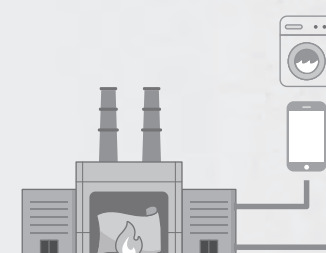
Air Travel CO2 Emissions Reductions

Kavalan's very own reductions of CO2e can now be directly expressed as the CO2e emitted flying between two places across the globe. Kavalan's CO2e emission reductions can now be demonstrated in the number of economy seats for a chosen flight.



WtE Heat and Electricity Generation

In Europe, more plastic waste is incinerated than is recycled or landfilled. KECII demonstrates how much clean energy, in kWh or MJ, Kavalan generates when incinerated in a WtE (Waste to Energy) plant.





































































































WtE Electricity:

The amount of electricity produced is translated into the number of hours' usage by everyday activities such as using an iPhone or a washing machine.



WtE Direct Heat:

The amount of heat energy produced is the equivalent of the number of hours of a warm shower or the heat of a 3 bedroom house in winter.

Item		  	Max Width	Printer Types		Weight	Tensile Strength (W/F)	Tear Resistance (W/F)	     
Frontlit	Sunlight 260	1.3 kg CO ₂ e  	5.00 m	UV Latex		260±20 gsm 7.7±0.5 oz	260/180 kg/ 5cm 290/200 lbs/ inch	30/25 kg 66/55 lbs	  
	Sunlight 280GB	1.3 kg CO ₂ e  				280±20 gsm 8.3±0.5 oz	260/180 kg/ 5cm 290/200 lbs/ inch	30/25 kg 66/55 lbs	  
	Sunlight 300	1.5 kg CO ₂ e  				300±20 gsm 8.8±0.5 oz	280/250 kg/ 5cm 310/280 lbs/ inch	37/35 kg 82/77 lbs	  
	Sunlight 310 TAICHI	1.5 kg CO ₂ e  				310±20 gsm 9.1±0.5 oz			  
	Sunlight Light Banner	1.2 kg CO ₂ e  				230±20 gsm 6.8±0.5 oz	250/170 kg/ 5cm 280/190 lbs/ inch	28/24 kg 62/53 lbs	
	Sunlight Weldable	1.7 kg CO ₂ e  				360±20 gsm 10.6±0.5 oz	290/260 kg/ 5cm 320/290 lbs/ inch	33/30 kg 73/66 lbs	   
	Sunlight Weldable Basic					360±20 gsm 10.6±0.5 oz	290/260 kg/ 5cm 320/290 lbs/ inch	33/30 kg 73/66 lbs	
	Sunlight ZeRo	1.6 kg CO ₂ e  				400±20 gsm 11.8±0.5 oz			  
Backlit	Moonlight 200		5.00 m	UV Latex		200±20 gsm 5.9±0.5 oz			  
	Moonlight River	1.1 kg CO ₂ e  				200±20 gsm 5.9±0.5 oz	180/140 kg/5cm 200/160 lbs/ inch	20/12 kg 44/26 lbs	  
Blockout	Butterfly 360 Soft	1.6 kg CO ₂ e  	5.00 m	UV Latex		360±20 gsm 10.6±0.5 oz	200/100 kg/5cm 220/110 lbs/ inch	13/7 kg 29/15 lbs	   
	Butterfly Weldable	1.6 kg CO ₂ e  				360±20 gsm 10.6±0.5 oz	200/100 kg/5cm 220/110 lbs/ inch	13/7 kg 29/15 lbs	  
Mesh	Spiderweb 300	1.0 kg CO ₂ e  	5.00 m	UV Latex		180±20 gsm 5.3±0.5 oz	180/160 kg/5cm 200/180 lbs/ inch	35/30 kg 77/66 lbs	   
	Spiderweb Super	1.0 kg CO ₂ e  				200±20 gsm 5.9±0.5 oz	190/170 kg/5cm 210/190 lbs/ inch	35/37 kg 77/82 lbs	  
	Spiderweb 300 L!ner					 180±20 gsm 5.3±0.5 oz	180/160 kg/5cm 200/180 lbs/ inch	35/30 kg 77/66 lbs	  
Wall Covering	Gecko 300	1.4 kg CO ₂ e  	5.00 m	UV Latex		300±20 gsm 8.8±0.5 oz	200/110 kg/5cm 220/120 lbs/ inch	20/9 kg 44/20 lbs	   
	Gecko 320GB	1.5 kg CO ₂ e  	5.00 m	UV Latex		320±20 gsm 9.4±0.5 oz	200/110 kg/5cm 220/120 lbs/ inch	20/9 kg 45/20 lbs	   
	Gecko DECO	1.5 kg CO ₂ e  	5.00 m	UV Latex		365±20 gsm 10.8±0.5 oz			  
	Gecko FR-AD		1.52 m	UV		520±20 gsm 15.3±0.5 oz	190/105 kg/5cm 210/120 lbs/ inch	20/10 kg 44/22 lbs	

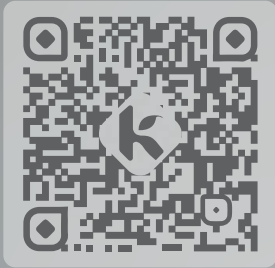
 Super low water impact

Kavalan's SAVEARTH Vision

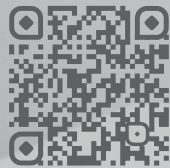
Sustainability doesn't hinge on some grand poetic idea; it hangs on cumulative achievements, each one building on the next. Kavalan's SAVEARTH Vision is the most sustainable way to reduce the environmental impact of signage banner materials on the planet.



For more information about Kavalan's SAVEARTH Vision
please scan the QR Code:



SAVE
EARTH
E



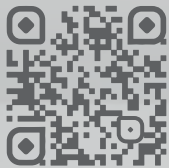
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