

HIGH PERFORMANCE PRINT MEDIA

For Graphics, Advertising & Packaging

PVC · POLYPROPYLENE (PP) · STONE PAPER

Durable · Versatile · Eco-smart



**BRINGING YOUR VISION
TO LIFE**

TENOPEX PLASTICS
Opti-Print Substrates

From vibrant advertising displays to eco-conscious packaging, your message deserves the right medium. At Tenopex, we offer a comprehensive range of PVC, PP and Stone Paper substrates tailored for graphics, signage and packaging applications.

YOUR CREATIVE PARTNER IN VISUAL COMMUNICATION

Whether you are looking for weather-resistance, sustainability, or premium printability –

We have the solution.



Smart Materials. Sharp Impact. Sustainable Choices.

A comparative Guide to PVC, PP and Stone Paper for Graphics & Packaging

Key Features	PVC	PP	Stone Paper
Printability	Excellent	Moderate (needs surface treatment)	Good
Appearance	Glossy, Matte, Solid	Matte / Satin	Smooth Matte (paper like)
Rigidity	Rigid	Flexible	Medium (not self supporting)
Weight	Heavy (1.4 to 1.45) ; durable / strong	Light (0.91 to 0.94)	Medium (1.2 to 1.5)
Water & Tear Resistant	Yes	Yes	Yes
Chemical Resistant	High	Very High	Moderate
Thermal Resistant	High	Medium	Low
Cost	More than PP	Low	More than PVC
Outdoor Durability	Good (with UV treated)	Good	Fair (Heat Sensitive)
Eco-Friendly	Low	Moderate	High (tree free)
Eco Profile	Recyclable Type 3	Recyclable Type 5	Biodegradable
Best for	Outdoor signage, banners, labels	Flexible packaging, posters, wrap labels	Luxury / Eco packaging, brochures, menus, packaging boxes

The Power behind the Print : Why Material Matters

Choosing the right substrate is crucial in achieving maximum visual impact and durability in graphics, advertising and packaging.

This brochure highlights the strengths, limitations and ideal uses of three standout materials : PVC, PP and Stone Paper

PVC - TOUGH & TRUSTED

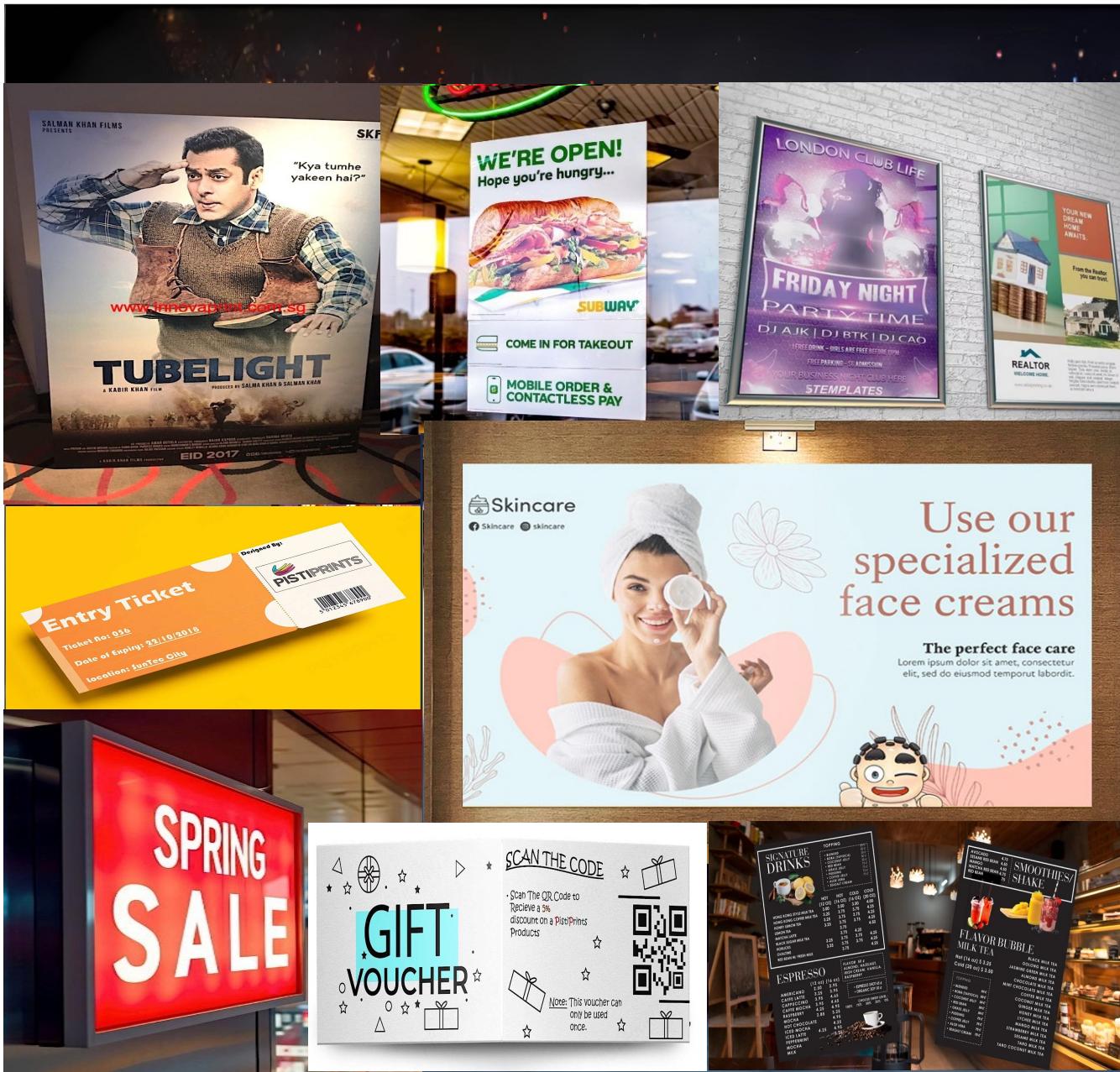
PVC Sheets : Built to Last

PVC (Polyvinyl Chloride) remains the industry standard for durable, long-life applications. It's strong, UV-resistant, and holds vibrant colors.

Why Choose PVC?

- ✓ Excellent for outdoor durability
 - ✓ Great ink adhesion for all printing method, without special surface treatment
 - ✓ Ideal for signs, POP displays, and labels, due to good rigidity and formability
 - ✓ Available in various finishes & thicknesses from 0.08 to 2.5mm, as well customised sizes upon request. PVC is dimensionally stable hence holds its shape well.





PP – FLEXIBLE & EFFICIENT

PP Sheets : Versatility in Every Sheet

Polypropylene is a lightweight, tear-resistant and perfect for flexible packaging and temporary graphics.

Why Choose PP?

- ✓ Lightweight & economical
- ✓ Excellent chemical resistance
- ✓ Flexible and ideal for wraps, labels & folding cartons
- ✓ Moisture-resistant for indoor/outdoor use
- ✓ Available in thickness ranging from 0.2 to 2.0mm

Why Choose Stone Paper?

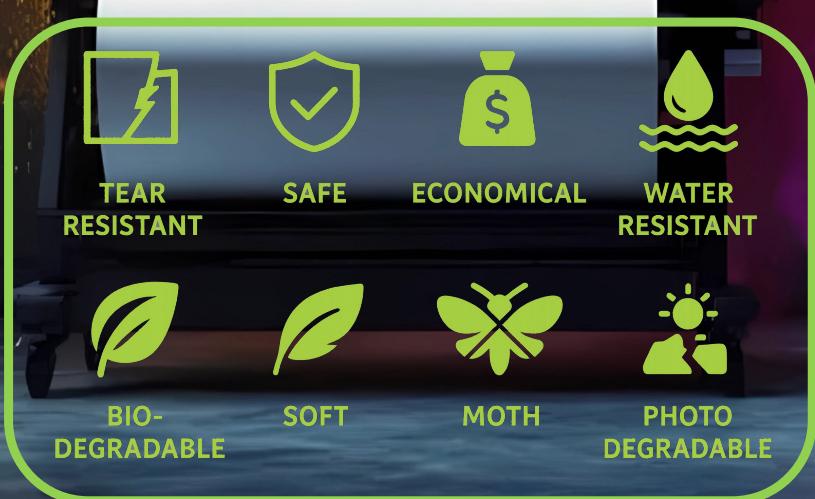
- ✓ Waterproof & tear resistant
- ✓ Tree-free, low carbon footprint
- ✓ Great for luxury packaging, menus and brochures
- ✓ Smooth surface for high-resolution printing
- ✓ Printable via web/sheet offset lithographic, rotary, relief, letterpress, flexographic, gravure, digital (latex /solid ink) and screen printing techniques



STONE PAPER - ECO LUXURY MEETS PERFORMANCE

Stone Paper : Sustainable & Stylish

Stone Paper is made from calcium carbonate and resin, stone paper is an innovative, tree-free alternative with a premium feel. It is a sustainable alternative to traditional paper and plastic. For every 1 ton of stone paper, we help save 20 trees and up to 16,000 gallons of water. At the same time, we also reduce carbon footprint by lowering CO₂ emission by 900 kgs.



STONE PAPER - ECO LUXURY MEETS PERFORMANCE

100% ECO Friendly

Authentically Green

1 TON
Stone Paper

→ Saves →

20
Trees

16000
Gallon Water



✓ Available thickness from 0.08 to 0.2mm
for rolls and sheet format for paper
alternatives and packaging

✓ Available thickness from 0.25 to 0.70 mm
for boxes and advertising (graphics)

“Your vision deserves the right foundation.

Let’s bring it to life – beautifully and responsibly.”

How to Choose the RIGHT SUBSTRATE?

Applications	Best Choice
Outdoor signage	PP / PVC
Short-term indoor ads	PP
Indoor banners & signage	PVC
Premium packaging / brochures	Stone Paper
Foldable / Die-cut displays element	PP
Eco-conscious branding	Stone Paper

Why?
PP is better for water resistant.
PVC is durable & UV resistant and can improved water resistance with treatment
Lightweight, affordable
Superior print and finish
Elegant, sustainable look
Flexible yet strong
Tree-free, low environment impact



Why Choose Us?

We're More Than Materials – We're Your Print Partner

- ✓ Expert advice on material selection
- ✓ Custom sizes, finishes & bulk supply
- ✓ Fast delivery and consistent quality
- ✓ Sustainable sourcing options available

CONTACT US

Tenopex Plastics Co., Ltd

- 📍 Plant : RM101, Building 2, No. 136 Hua Xia Road, QiaoTou Town, Dongguan City, Guangdong
- 📍 Global Sales Office : 3 Seletar Road, #03-11, Singapore 807012
- 📞 China (86) 0769 82829013
- 📞 Hong Kong (852) 68880563
- 📞 Singapore (65) 87267516
- ✉️ marketing@tenopexplastics-cn.cn
- ✉️ helen@optimaplusgroup.com
- 🌐 www.tenopexplastics.com
- 🌐 www.optimaplusasia.com



Let our team help you select the best material based on your design, performance and sustainability goals.

