



TECHNICAL INFORMATION

Introduction

phototex® is a paste-free, self adhesive backed ink jet media which can be placed on any (non-porous) flat surface. Available in aqueous and eco-solvent rolls in a range of widths, phototex® offers some truly unique benefits:

- Waterproof and suitable for outdoor applications
- Will not damage host wall
- Incredibly durable - will not rip or wrinkle
- Can be removed and re-positioned
- Fine texture delivers high quality images
- Can be back-lit with stunning results
- Ink dries immediately
- Available in flat sheets and varying width rolls

Sizes

phototex® is currently available in the following sizes:

Aqueous	Eco-Solvent
15" x 100' / 381mm x 30m	42" x 100' / 1067mm x 30m
17" x 100' / 432mm x 30m	50" x 100' / 1270mm x 30m
24" x 100' / 610mm x 30m	54" x 100' / 1372mm x 30m
36" x 100' / 914mm x 30m	60" x 100' / 1524mm x 30m
42" x 100' / 1067mm x 30m	
60" x 100' / 1524mm x 30m	

Bespoke Mill makings are also available for both rolls and sheets.
Please ask.

Characteristics

Material	40-45% Polyester, 40-45% Cellulose Pulp / .010 mil total
Weight with backing	260gm ⁻²
Print side	Inkjet coating with low tack adhesive on back side / .006 mil
Back side	Paper backer that peels off / .004 mil
Ink limit (subject to profiles)	<ul style="list-style-type: none"> • Pigment inks - Indoor or Outdoor • UV curable inks - Indoor and Outdoor use • Water based - Indoor and Outdoor use • Dye based inks - mixed results with heavy solids • Solvent inks - (S) series - Indoor or Outdoor • Eco-solvent inks - (S) series - Indoor preferred
Outdoor warranty	<ul style="list-style-type: none"> • Wind tested to 500 mph • 6-12 months weather proof warranty if you print with pigment inks, water based and UV inks • 6-12 months weather proof warranty if you print with solvent inks - all results may vary by region • No warranty outdoors with eco-solvent inks - results vary
Fire retardant	<ul style="list-style-type: none"> • Fire retardant up to 450° C (842° F) <p>For a full fire test report, please contact Paul Gillespie on +44 (0) 1943 870 944.</p>

Compatibility

- Ink settings must be optimised according to ink, printer and software instructions, rip and profile for best results
- Suitable for most large format thermal and ink-jet printers. Temperature of 40-50 Celsius
- Suitable for kiss/die cutting (use carbide knife) and liquid or spray protective coatings/lamination
- Examples of printing machines phototex® is compatible with:

Inkjet Piezo (solvent ink)

Mutoh, OCE, NUR, Mimaki, Colorspan, Scitex, Vutek, Roland, Grandinnovations, Seiko *et al*

Inkjet Thermal (pigment ink)

HP, Kodak/Encad, Colorspan, Canon *et al*

UV-curable ink

Vutek, Durst, Zund, 3M, NUR, Mimaki, Inca *et al*

Inkjet Piezo (pigment ink)

Epson, Mutoh, Roland, Mimaki *et al*

Litho & Screen Printing

All types

Phototex is a removable and repositionable unique self-adhesive, fabric based substrate which can be placed on any (non-porous) flat surface indoors or outdoors, such as walls, windows, poles, cars, boats and aeroplanes.

Phototex will not peel the paint from a wall, nor will it damage wallpaper when placed over it. Phototex can be re-positioned and withstands a wide range of temperature and weather conditions. We have tested Phototex to show it will still be hanging outside in all conditions for over one year. Our Ultrachrome K3 inks are light fast for over 100 years on Phototex.

We have complete confidence in Phototex material to adhere without peeling or wrinkling on any and all flat surfaces and weather conditions. Phototex is virtually impossible to rip or wrinkle. Phototex is very versatile & durable and can be wrapped around corners and poles. It has a semi opaque coating which can be backlit.

Any wide format inkjet printer from Pigment, UV, Ultrachrome, Solvent and Eco-Solvent (Eco- suitable for outside) based inks/equipment such as Epson, HP, Mutoh, Mamaki, Roland, Encad. Phototex is waterproof and can be cold or liquid laminated.

Phototex is primarily made from Cellulose & Polyester. Cellulose (aka; Wood Pulp) is the naturally occurring primary structural component of green plants, a renewable (farmed) resource and is most commonly used to make paper.

Polyester (aka: Terylene) is most commonly used in clothing, soft furnishings, bed sheets and curtains. Esters are also used in perfumes & essential oils and naturally give fruit their smell. Polyester will shrink away from flame and often self-extinguishes.

Other components include Silicon Dioxide - more commonly known as sand, and Polyacrylic Acid Ester - a patented compound developed for processing textiles and also used as a vaccine adjuvant.

Disclaimer

Although all our test results over the past year show positive feedback concerning phototex® to adhere to any and all flat surfaces and safe removal with out damage or harm to the surface you placed our material on, we can not control the environment and circumstances of all applications.