

# Optically clear digital film

## Technical data sheet



### Product description

Graphic Image Optically Clear 50 $\mu$  clear topcoated scratch resistant polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Topcoat is specifically designed to ensure good print definition and adhesion of UV digital inks. Graphic Image Optically Clear is coated with NPL ultra clear high performance acrylic adhesive which exhibits excellent optical clarity, flow-out and UV stability.

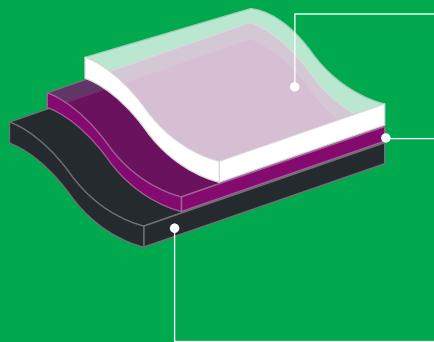
### Typical applications

Printed graphics to be applied to flat glass, clear window labels & decals.

### Typical industrial sectors

Architectural signage, manifestations, point-of-sale and exhibition graphics.

## Performance



**Facestock:** 50 $\mu$  clear scratch resistant topcoated polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Designed to be UV digital printed. The topcoating ensures excellent ink-adhesion combined with superior scratch resistance of non-printed areas.

**Adhesive:** NPL ultra clear UV stable permanent acrylic adhesive has excellent chemical, humidity and temperature resistance. NPL has been specifically developed for clear film applications requiring excellent optical clarity, flow out properties and resistance to ooze.

**Liner:** 50 $\mu$  clear polyester liner specifically designed to ensure adhesive smoothness and optimum adhesive flow out.

## General characteristics

Properties	Typical values		Unit of measure	Test method
Physical	Film Adhesive Liner	50 $\mu$ $\pm$ 10% 23gsm $\pm$ 10% 50 $\mu$ $\pm$ 10%		FTM 12
Peel adhesion Stainless steel Glass	Initial 12.2 13.8	24 hours 18.4 18.7	N/25mm@23°C, 50% RH	FTM 1
Shear resistance	>1000			FTM 8
Service temperature range	-40°C - +135°C			

## Cleaning instructions

Using a damp lint-free soft cloth. No detergents, solvents or petrol to be used. Warm, soapy water only. Clean a small area to test first. Clean with care.

## Contact

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## What some of our great clients have said...

**“Graphic Image worked closely with us and our end client Sackers, to develop our desired graphics scheme for their new headquarters at 20 Gresham Street, London. The quality of service from Graphic Image was second to none and achieved a high-end bespoke solution.”**

Gemma Fabbri  
Scene

**“At Overbury we require our subcontractors to be pro-active, helpful and provide nothing less than excellent quality. Graphic Image has ticked all of these boxes, and have gone over and above the normal line of duty to ensure that their service exceeded our expectation.”**

Richard McPherson  
Overbury

**“Graphic Image provided an excellent service on a fast, demanding programme. The final installations were of a high quality that met with the Burges Salmon vision for One Glass Wharf”**

Louisa Haines  
Sheppard Robson