



DIGITAL POSTER CONTRAST™

*Rear and front projection film manufactured by Glimm
Part of the Glimm Digital Poster™ production series.*



Ultimate projection in sunlight

Works with all short throw projector brands.

Digital poster contrast™

How it works

The Glimm Digital poster contrast™ is a self-adhesive rear and front projection film which can be applied on synthetic or natural window glass. It gives excellent image resolution and can be used for indoor and outdoor communication.

This projection film is based on our foil and film technology. The film is available for rear and front projection purposes.



Ultimate performance in sunlight

The Digital poster contrast™ is the perfect solution for projection in high ambient light environments like shop windows. It provides crisp brilliant images in high ambient light and from any viewing angle.



Display in daylight - OMV Film on gas station window

Product features

- ✓ Available up to 200".
- ✓ Can be used with short throw projectors.
- ✓ Available with touch-screen enhancement single or multi-touch.
- ✓ Easy to customize (for example interactive table).
- ✓ Special for glass applications.
- ✓ Available on rolls.
- ✓ Non-reflective surface (no reflections on glass)

Recommended applications

This film is the ultimate solution for projections in sunlight or other high ambient light environments, such as:

- Outdoor advertisement.
- Retail shop windows
- Boarding rooms.
- Control rooms.
- All other high ambient light environments.

Digital poster is available in standard screen sizes and by the meter off the roll

Roll sizes	<i>Roll Length</i>	5m , 10m, 20m, 30m and 50m
	<i>Roll Width</i>	1530mm or 2000 mm
Screen sizes	<i>Aspect ratio 4:3</i>	30" 40" 50" 60" 67" 84" 100" 120" 134" 200"
	<i>Aspect ratio 6:9</i>	30" 40" 60" 67" 80" 92" 120" 138"

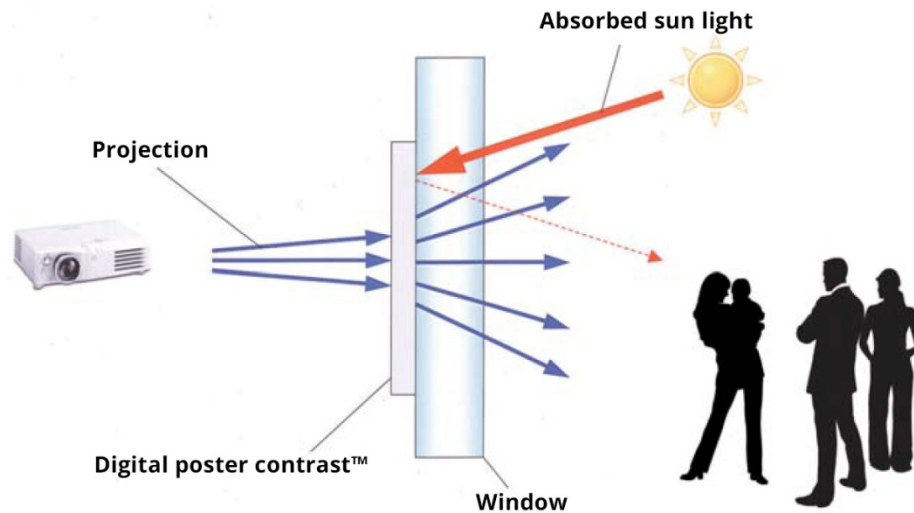
Technical features

Technology : Optical projection film

- Light transmission 85%
- Peek gain 2.4
- Horizontal half gain (off axis) +/- 20°
- Vertical half gain (off axis) +/-20°
- Viewing angle 180°
- Thickness: 0,1 mm
- With permanent and non-permanent adhesives



Easy to combine with other graphics for unique effects



Easy to install with water and soap - like a sticker

Easy to install

The film is very thin and flexible (it is only 0.1 mm thick). Due to the structure of the projection film, the Digital Poster Contrast is very easy to install (like a sticker) using water and soap.

The projection film Digital poster contrast™ is covered with a special glue layer, so it can be applied directly on the inside or outside of the window.

Technical data sheet

PRODUCT DESCRIPTION

Digital Poster Contrast™ is a rear projection film which can be applied on synthetic or natural window glass. Digital Poster Contrast™ allows a high contrast and colorful projected image. This image is visible with an excellent resolution and at a wide viewing angle (up to 100°). Digital Poster Contrast™ provides an optimal visual impact under all brightness levels in the day or at night.

CONSTRUCTION

Face Material :	135 µm polymeric translucent vinyl, cadmium-free.
Adhesive :	High quality acrylic solvent based adhesive, very cohesive and extremely durable.
Liner :	135 gsm white craft paper with Glimm printing.

TYPICAL USES

Indoor and outdoor visual communication on windows. Digital Poster Contrast™ can be plotter cut to any size or shape, creating unexpected digital displays, or can also be used as an extra large digital display.

DURABILITY

10 years. This useable life estimate is based upon accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperate climates.

VIDEO PROJECTION

The quality of the projected image will also depend on the power of the projector used. For a rear projection indoors, we recommend to use a projector with a power of minimum 2.000 lumen per sqm of the Digital Poster Contrast™. For a rear projection on an external window, a minimum of 6.000 lumen per sqm is recommended, and in direct sunlight, an intensity of min 8.000 lumen per sqm is required.

PHYSICAL PROPERTIES (Average values)

Thickness (mm) (Film + adhesive)	ASTM D-645 0.160
Face Material Data, 23°C	DIN 53455-5
Tensile strength :	> 50 N/15mm
Elongation at break :	≥ 200 %
Adhesive Data, 23°C	FTM 1
Peel adhesion 180° on glass:	N/25mm
- after 20 min. :	20
- after 24 h :	24
Dimensional Stability	FTM 14
Shrinkage (48 hours at 70°C) :	< 0.1% (25 cm x 25 cm, sample mounted on aluminum).
Temperature Ranges	
Application :	+10°C to + 40°C
End-use :	- 40°C to + 90°C
Flammability	ISO 3795 Sample mounted on aluminum : self-extinguishing.

SOLVENT AND CHEMICAL RESISTANCE

Resistant to most oils and grease, fuel, aliphatic solvents, weak acids, salts and alkalis.

PROCESSING

Digital Poster Contrast™ can be plotter cut easily to any size or shape with most plotters.

Installation should be done by the 'wet method' (see Glimm application guide for more details) on a clean and degreased clear window.

Images projected onto tinted or metalized windows will be less visible.

Material:	Optical Polymer Foil
Available Thicknesses:	1 mm - Can be applied on acrylic or glass
Available Substrates:	Acrylic glass, anti-reflection acrylic glass, glass, safety glass and anti reflection glass.
Surface:	Matt, homogenous, no structure and anti-reflection
Peak-Gain:	2.4
Half- Gain:	+/- 20 degrees, vertical & horizontal
Colour:	Grey
Luminious Density	The difference in Luminance between the center and the edges of the projected image not visible 1.3 (insensitive to ambient light)
Light transmission:	80 %
Resolution:	High brightness
Sharpness:	Sharp and vivid colors in sunlight
UV-consistency:	Yes
Projection angle:	No limitations, works with any projector even ultra short-throw
3-D applications:	Lineaire polarisation

	Attached to Acrylic	Attached to Glass
Diffuse transmission	80%	< 80%
Diffuse reflectance	3.6%	0.4%
Substrates	Acrylic	Glass
Sizes	2m x 3m or larger	2m x 3m or larger on request
Thickness	3.5 mm / different thickness possible	3.5mm - 5.0mm / different thickness possible

Important remarks

All surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination. Published information concerning Glimm products are based upon research which the Company believes to be reliable but such information does not constitute a warranty.

Because of the variety of possible uses for Glimm products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications subject to change without prior notice.

