Performance™ Black on White

BWPRW40HDB

Performance™ HD BWPRW40HD is a Black on White perforated self-adhesive vinyl with 40% transparency; and a removable, pressure-sensitive adhesive, featuring a white Replacement Liner. When applied to the inside of a window, this film gives an element of privacy and solar shading from the outside while allowing viewing through from the inside.

This film features a solid paper liner optimised for easy removal, and is not suitable for printing.

The level of privacy given by this film will vary depending on several factors, most notably the level of light on either side of the window. A low level of privacy will be given at night if the inside of a building is lit.

This film gives an approximate 60% reduction in glare and UV radiation and depending on glass type and window framing, a 40-50% reduction in solar heat gain.

The use on tinted glass will compromise the whiteness of the film when viewed from the outside.

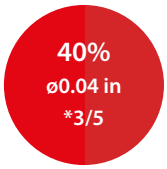
Face Film	Black on Warm White laminated polymeric calendered PVC
Adhesive	Transparent, removable, solvent polyacrylate
Adhesive Weight	1.03oz/yard^2±0.09oz/yard^2
Liner	Unperforated Replacement Liner. White paper PE and silicone coated on top side only, backprinted with Contra Vision® Performance™ branding.
Liner Weight	5.01oz/yard^2±0.29oz/yard^2
Removability	Minimum 12 months clean removability without adhesive residue at ambient temperature Performance may be affected in Zone 2 & 3 regions
Shrinkage	x direction ≦0.6%, y direction ≦0.6% FTM14
Service Temperature	-13.0°F to 149.0°F
Shelf Life	2 years under normal conditions at a temperature of 71.6°F and relative humidity of 50-55%

Application Recommendations

- Apply the film using a **dry application method**.
- Clean surfaces thoroughly to clear from dust, grease or any contamination; final clean with soap and water, rinse, and dry.
- **Not to be applied** to fresh paint, ink, polycarbonate, rubber, plastic moldings, and certain PVCs—in case of doubt, test prior to final application.
- Recommended for flat or gently curved surfaces only.
- Cut film back at least 1/8" from any edges so the film finishes on a flat surface.
- Film **must not touch** rubber window moldings.
- Trim side-by-side panels to form a butt seam—**do not overlap.**
- Follow minimum application temperature and avoid washing within 24 hours of application.

This document is intended as a source of information, is given without guarantee, and does not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of the product for their specific intended purpose.

Film Thickness



Transparency

*Privacy Level

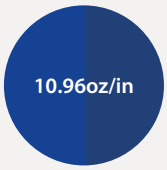
Application temp

External durability

on static applications

Peel Adhesion

Printed film on glass, typical value



20 mins

24 hours

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Fire rating

ASTM E84 Certificate(s) can be found at **https://www.contravision.com/print-substrates/datasheets/**

Solar performance

Based on 1/8" glass	No film	MicroPerforated White One-Way Internal
Visible light transmission	90%	36%
Visible light reflection, exterior	8%	56%
Visible light reflection, interior	8%	6%
UV transmission	40%	16%
Solar energy transmission	83%	33%
Solar energy reflection	8%	51%
Solar energy absorption (total)	9%	16%
Glare reduction	0%	60%
G value	0.86	0.34
Shading coefficient (SC)	1	0.4

Durability

Durability stated is for unprinted and untreated material correctly applied to an inert, vertical substrate subject to southern Australian region weathering conditions. Some printing inks and drying or curing regimes may reduce the expected lifetime of the printed graphic. Please consult your ink manufacturer for guidance. Incorrect application methods, inadequate window cleaning and preparation and incompatible window treatments may reduce the expected lifetime of the applied material whether printed or unprinted, overlaminated or unlaminated. Mechanically sustained damage, chemical damage and UV-degradation to printed, unprinted, laminated or unlaminated material may also reduce expected durability.

Zone 1; 5 years (outside) (North America, Canada & Patagonia)
Zone 2; 3 years (outside) (Argentina, Chile, Paraguay, Uruguay)
Zone 3; 2 years (outside) (Bolivia, Brazil, Caribbean Islands, Central America, Mexico, Peru)

For more information on zones and a map of the regions, please visit **https://www.contravision.com/print-substrates/datasheets/**

Environmental

Contra Vision perforated window film is phlatate free and conforms to the latest REACH regulations - please refer to our website for further details. Contra Vision packaging is produced from recycled cardboard, with polypropylene end bungs and polyethylene wrapping. All of which are fully recyclable, subject to local recycling facilities. For further information on the environmental benefits of using Contra Vision products and the efforts we're making to improve the sustainability of our material, you can search for "sustainability" on our website.

Substrate

This product is not recommended for use on the inside of triple glazed windows or glass with coatings such as anti-reflective, selfcleaning and scratch-resistance, which may be damaged during film removal.

Other information

For further information visit the Contra Vision Technical Hub at **https://www.contravision.com/print-substrates/technical-hub**

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