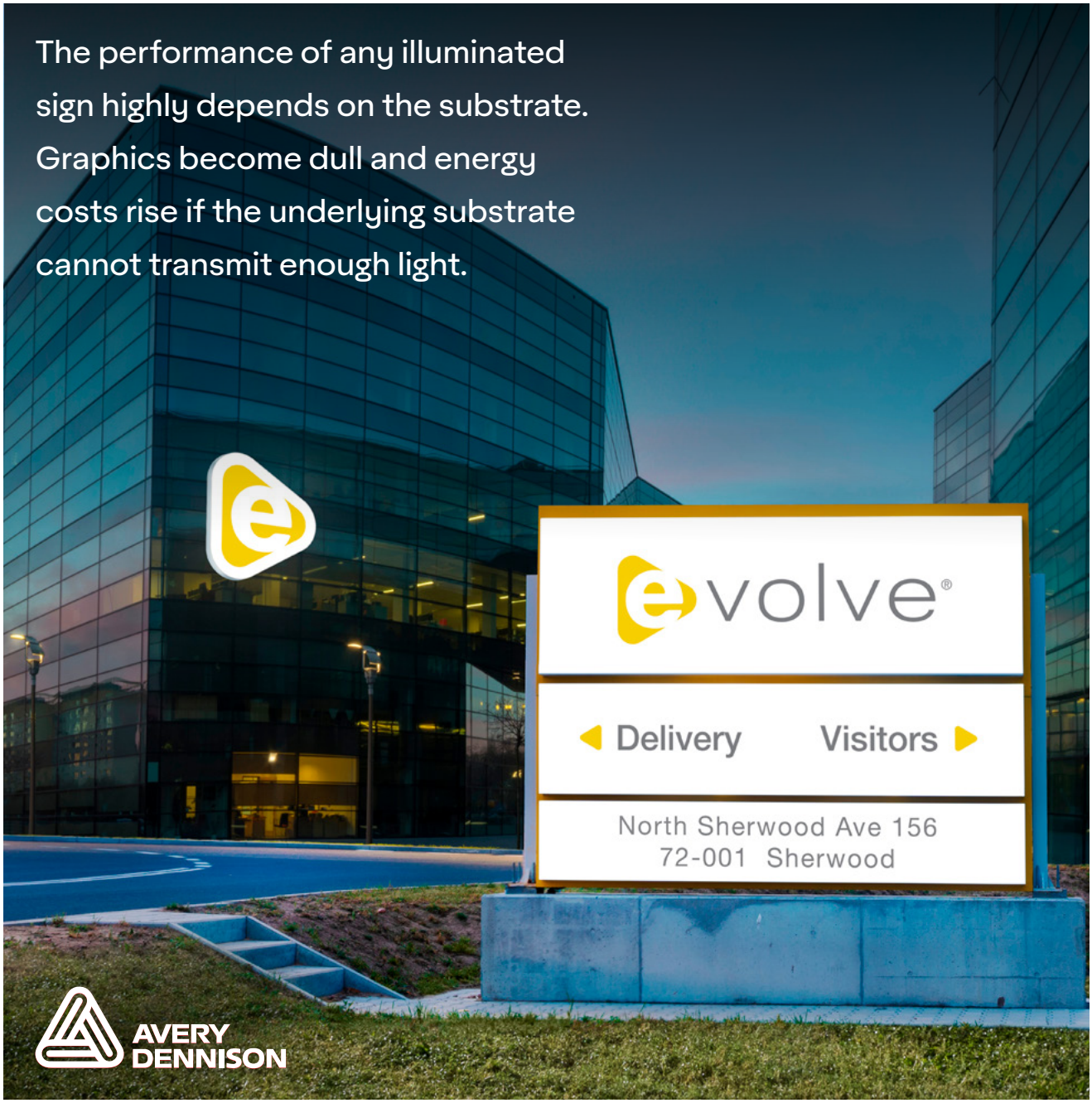
Avery Dennison Flexible Substrate Signage Pro



Less energy. More impact.

Flexible Substrate Signage Pro is a polyester material that outperforms alternative products. A far higher level of light transmission enables signage that truly stands-out compared with conventional white/opal acrylics or flexible banner materials.

More light passing through means both energy savings and improved visual impact – and a fast route to creating sharper and brighter graphics. There is also a wide choice of compatible Avery Dennison Translucent films: 4500TF, 5500QM, 5600LD and 5300 Blockout. Flexible Substrate Signage Pro is available at minimum order quantities down to one roll.

Key features

- Excellent light transmission for brighter graphics
- Higher energy efficiency
- Cost-effective solution for vivid signage
- Compatible with 4500TF, 5500QM, 5600LD and 5300
- Blockout graphics films

Durability[2]

The expected life span of Avery Dennison Flexible Substrate Pro Signage product is up to 7 years under vertical exposure.

Application areas

- Backlit signs
- Awnings
- Billboards

Key benefits

- Durability: up to 7 years
- White, translucent colour which completely diffuses the reinforcing scrim
- Decoration with Avery Dennison Translucent Films gives excellent visual and durability results
- Wide seamless substrate, through which seam shadows do not interfere with the sign design
- Resistance to discoloration and weathering
- Resistance to fungus and wicking

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Product performance comparison

Using LED modules: GEMM50-W1 Tetra miniMAX 5000K with dimensions: height 375mm, width 265mm and a distance of 100mm between the substrate and the light source, we compared the performance of our new Flexible Substrate Signage Pro (left), Flexible Substrate Signage Pro with 50% lighting (middle) and a competitor film (right).
The result shows that the left light box has the brightest and most vivid effect. The middle light box shows the same brightness as the competitor light box on the right by only using half the energy.

Physical properties

Features	Test method[1] results
Base fibre	polyester
Total weight	530 g/m2
Thickness	0.4mm
Tensile strength	(DIN EN ISO 1421) 2300 / 2000 N/5cm
Tear resistance (warp / fill)	(DIN 53363) 300 / 280 N
Light transmission	33%
Mildew resistance	excellent, no growth
Weatherability	excellent, QUV >3000 hrs
Flame resistance	DIN 4102-1 (in preparation) B1
Cold resistance	20 °C
Heat resistance	+80 °C

1. Test methods
More information about our test methods can be found on our website.
2. Durability
The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high

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