

ORACAL® Series 8500 Translucent High Performance Film

Description

3-mil, high performance PVC film providing consistent uniform color in backlit signage applications. Features a silk-matte finish to inhibit undesired reflection. Available in 55 vivid colors.

Release Liner

84# silicone coated paper

Adhesive

Clear, solvent-based, permanent adhesive

Applications

Designed for producing long-term illuminated signs on rigid or thermoformed surfaces. Thermal-transfer compatible.

Technical Data

Thickness (without liner and adhesive)	3 mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.008"
Temperature Resistance	Adhered to aluminum, -40°F to +194°F, no variation
Fire Behavior (DIN 75200)	Adhered to steel, self-extinguishing
Fire Rating	ASTM E 84-07 Class "A"
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to glass: 4.1 lb/in Adhered to acrylic: 3.7 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 19 MPa Across: Min. 19 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 130% Across: Min. 150%
Resistance to Solvents and Chemicals	Adhered to acrylic after 8h in 0.5% household cleaning agents at room temperature and 149°F, no variation
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on verticle surfaces)	7 years - colored/transparent 5 years - metallic
Minimum Application Temperature	46°F
Available Lengths	150' (50-yard) and 30' (10-yard)
Available Widths (inches)	15 (punched), 24, 30, 36 (black and white only), 48
Recommended Application Tapes	ORATAPE® HT55, MT95, MT72

Attention

Recycling Recommendation: Waste class similar to household waste, is to be recycled according to the local regulations.

Surfaces to which the material will be applied must be cleaned thoroughly of dust, grease or any contaminants. Freshly lacquered or painted surfaces should be allowed to stand for at least three weeks after complete curing. The compatibility of selected lacquers and paints should be tested by the end-user prior to use.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without any guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications, customers should independently determine the suitability of this material for their specific purpose, prior to use.

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