ORACAL® 8510
ETCHED GLASS WINDOW FILM

Description
The ORACAL 8510 Etched Glass Cal is designed for high-quality decorative applications on glass surfaces. It provides a traditional, etched glass look with consistent light transmission, making it ideal for both indoor and outdoor use.
Also, consider these additional ORAFOL Graphic Solutions when decorative window graphics.

- ORACAL 8300 Transparent Cal
- ORACAL 8710 Dusted Glass Film
- ORACAL 8810 Frosted Glass Film
- ORAJET 3952F Optically Clear Digital Print Media

Key Features
- Finish: Satin
- Film Type: High-Performance Calendered
- Thickness: 3 mil
- Adhesive: Solvent-based, permanent
- Colors: Silver and gold, in both coarse and fine textures
    - Achieve a sophisticated etched glass appearance

Release Liner
84# silicone-coated paper

Adhesive
Clear, solvent-based, permanent adhesive

Applications
- Architectural Window Applications: Ideal for retail, restaurant, conference room, airport, and museum graphics.
- Residential Window Applications: Perfect for bathroom shower doors, mirrors, front door sidelights, and sliding glass doors.

Installation
- Easy to Apply: Suitable for both wet and dry application methods
- Customizable: Can be cut into various shapes and sizes to fit specific design needs
- Application Suggestion: Wet application is recommended for large panel installations

Create Unique Effects
- Subdued Light Transmission: Provides a consistent and elegant light diffusion
- Prevent Undesired Reflection: The etched surface minimizes glare and reflections

Indoor Durability
- Indefinite, ensuring long-lasting color and clarity.

Outdoor Durability
Climate Zone 1
- 7 years

Climate Zone 2
- 5 years

Climate Zone 3
- 3 years

ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374

techsupport-americas@orafol.com – www.orafol.com

ORACAL® 8510
ETCHED GLASS WINDOW FILM

Splice Free Guarantee

Our Splice Free Guarantee assures you that every roll of ORAGUARD® over-laminate is free from splices. If you identify a verifiable splice, we will promptly replace the roll at no cost and provide you with $500 as a token of our commitment to your satisfaction and uninterrupted graphic production experience.

Technical Data

Thickness (without liner and adhesive)	3-mil
Dimensional Stability (FINAT TM-14)	Adhered to glass, no shrinkage in cross direction; In length, <.008”
Temperature Resistance	Adhered to glass, -40°F to +194°F, no variation
Fire Behavior (DIN 75200) **Fire Rating**	Adhered to steel, self-extinguishing 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%
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	7 years
Minimum Application Temperature	46°F
Available Lengths **Available Widths**	150’ (50-yard) and 30’ (10-yard) 15” (punched), 24”, 30”, 48” | 60” (090 fine only)
Recommended Application Tapes	ORATAPE® HT55 & MT95

Note

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be completely cured. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Films with structured surface are naturally more sensitive than the unstructured. Accordingly, these films are to be treated carefully both in processing and in cleaning. Impurities affect the appearance of structured films and require more frequent cleaning. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

IMPORTANT NOTICE

All ORACAL® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORACAL® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORACAL® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use.
All specifications are subject to change without prior notice.
WARNING – This product may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – P65Warnings.ca.gov

ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374

techsupport-americas@orafol.com – www.orafol.com