



Reflective

ORALITE® 5600 Fleet Engineer Grade

Fleet-Grade Reflective Adhesive Vinyl • 7-Year Life Span

COMMON USES

Traffic Markers, Emergency Vehicles & High-Visibility Surfaces

LONGEVITY

7-Year Life Span

PRINT SIDES

Single-Sided

FINISHING OPTIONS

Contour Cut

ENVIRONMENT

Indoor & Outdoor

SIZE OPTIONS

Custom Size



ASTM D4956 TYPE I

Meets Type I, Class 1 retroreflective sheeting and AAR M-947.



DUSK-TO-DAWN VISIBILITY

Retro-reflects headlights and street lights for high-visibility safety.



FLEET & EMERGENCY GRADE

Conformable over rivets and corrugations on vehicles and trailers.

Technical Data Sheet

PROPERTIES

- Digitally printable retroreflective film for vehicle graphics, reflective lettering, markings and decorations
- Bright and crisp from dusk to dawn and in poor weather — reflects headlights and street lights as a safety mechanism
- Flexible enough for application over corrugations and rivets; suitable for cutting plotters
- Corrosion and solvent resistant
- Self-adhesive reflective material is dry-application only

FILM & PHYSICAL

Film Thickness	5 mil	Finish	Reflective
Tensile Strength (across)	Min. 10 MPa	Elongation (along / across)	Min. 100%
Adhesive	Clear, solvent-based, permanent (removable with heat)	Shelf Life	2 years

RATINGS & CERTIFICATIONS

- Meets ASTM D 4956 specifications for Type I, Class 1 retroreflective sheeting
- Meets AAR Specification M-947
- Manufactured within an ISO 9001 controlled environment with batch traceability

APPLICATION

Dry Apply Only Print & Cut Vehicle Graphics Fleet Emergency Vehicles Indoor Outdoor

- Surfaces must be thoroughly cleaned of dust, grease and contamination; freshly painted surfaces fully cured (about 3 weeks)
- Apply in a controlled environment, ideally 65–75 °F; test surface compatibility before full application
- Allow solvent-based inks to dry at least 24 hours (48–72 hours preferred) at 70 °F before cutting to the ink or laminating

For increased UV protection, over-laminate with ORAGUARD® 290 / 293 / 279. The film's low tensile strength can make removal more difficult.

INK COMPATIBILITY

Latex Solvent Eco-Solvent UV Curable Thermal Screen Printing

Source: ORAFOL® published Technical Data Sheet, ORALITE® 5600 Fleet Engineer Grade. Catalog states a 7-year life span for this engineer-grade reflective film.