

COMMERCIAL PROJECT CASE STUDY

DELMARVA RV CENTER

Garage Door Solar Control Window Film

Milford, Delaware

TOTAL SCOPE	FILM	PRIMARY GOAL
440 SQ FT	NV15 3M Night Vision 15	HEAT + GLARE

SHORE TINT & MORE

COMMERCIAL • SOLAR CONTROL • FACILITY COMFORT

Professional architectural window film solutions throughout Delaware and the Delmarva region.

PROJECT OVERVIEW

A wall of glass was creating a wall of solar load

Delmarva RV Center in Milford uses large glazed overhead doors in its service facility. Those doors provide visibility and daylight, but they also created substantial heat and glare concerns inside the work area. Shore Tint & More installed 3M Night Vision 15 solar control film across approximately 440 square feet of glass.

FILM AREA
440 SQ FT

LOCATION
MILFORD
Delaware

SYSTEM
3M NV15

PROJECT GOALS

- Reduce solar heat entering through the large glass garage doors.
- Cut harsh visible glare for technicians and staff working inside the service area.
- Keep useful outward visibility instead of covering the doors with opaque shades or panels.
- Create a cleaner, more consistent exterior appearance across the glazed overhead doors.



Interior view during installation at the service department.

COMMERCIAL FACILITY RETROFIT

Treat the glass. Keep the doors.

Window film allowed the facility to address solar heat and glare without replacing the overhead door assemblies or blocking the glass. For service departments, showrooms, warehouses and industrial spaces, this can be a practical retrofit when large glazed doors are part of the building envelope.

LARGE-FORMAT GLAZING

Garage doors can behave like oversized windows

When a commercial overhead door contains multiple glass panels, the combined surface area can create a significant solar exposure. Staff may experience bright glare, radiant heat near the doors, and changing comfort conditions as the sun moves across the building.



WHAT THE FACILITY WAS DEALING WITH

- Major glare across the service department during bright conditions.
- Heat entering through approximately 440 square feet of garage-door glass.
- A need to preserve visibility and the functional appearance of the overhead doors.
- An occupied commercial environment where the retrofit needed to be straightforward and clean.

WHY DARKER SOLAR CONTROL MADE SENSE

High glare + high solar exposure called for a stronger tint level.

3M Night Vision 15 was selected as a darker commercial solar-control option. The film substantially reduces visible light transmission while rejecting a large portion of total solar energy, making it well suited to high-exposure glazing where glare and heat are the dominant concerns.

INSTALL VIEW

Installation was completed from the interior of the service area, allowing the existing door assemblies to remain in place.



3M NIGHT VISION 15

A darker film built for heat and glare control

Published 3M performance data for Night Vision 15 varies by glass construction. On 1/4-inch clear single-pane glass, 3M lists the representative values below. Actual installed performance depends on the existing glazing system.

15%
Visible Light Transmission
Less incoming visible light

72%
Total Solar Energy Rejected
Representative single-pane clear value

83%
Glare Reduction
Representative single-pane clear value

99%
UV Block
Representative published value



FINISHED EXTERIOR

Why Night Vision works well here

- Darker VLT provides meaningful glare reduction for work areas facing large expanses of glass.
- Solar energy rejection helps reduce the heat load transmitted through the glazed doors.
- Low interior reflectivity is designed to preserve a more usable view out, especially after dark.
- The film retrofits the existing glass without changing the operation of the overhead doors.

PERFORMANCE NOTE

Source: 3M Flat Glass Window Film Technical Data Sheets Summary. Values shown are representative for Night Vision 15 on 1/4-inch clear glass and are not a site-specific energy calculation.

COMMERCIAL INSTALLATION

Large door glass requires clean layout and access control

Overhead doors create a different installation environment than conventional storefront glass. Each pane must be prepared carefully while ladders, tools, power cords and normal service-department activity are managed around the work zone.





INSTALLATION PRIORITIES

- Clean and prepare glass thoroughly before film application.
- Keep panel-to-panel appearance consistent across the overhead doors.
- Maintain safe access around ladders, vehicles and service-department equipment.
- Leave doors fully functional after the retrofit.
- Complete final detailing so the finished film reads as part of the building rather than an add-on.

FINISHED PROJECT

Less glare. Less solar load. Same functional garage doors.

The finished project transformed the large glazed overhead doors into a more controlled part of the building envelope. The service department retained the light and visibility benefits of glass while reducing the conditions that were making the area uncomfortable during strong sun exposure.



WHERE THIS APPROACH FITS

- RV, automotive and fleet service departments
- Warehouses and industrial buildings with glazed overhead doors
- Showrooms and service bays with strong afternoon exposure
- Commercial spaces where shades would interfere with visibility or door operation

COMMERCIAL ARCHITECTURAL WINDOW FILM

Reduce heat and glare in commercial glass.

Shore Tint & More provides commercial solar-control film consultation, glass review, product selection and installation throughout Delaware and the surrounding region. Request a commercial site survey or project consultation.

SCAN TO VISIT SHORE

REFERENCE

Delmarva RV Center solar-control film project

PROJECT	Commercial solar-control window film
FACILITY	Delmarva RV Center
LOCATION	Milford, Delaware
APPLICATION	Large glazed overhead / garage doors
APPROX. SCOPE	440 square feet
FILM	3M Night Vision 15
PRIMARY CONCERNS	Solar heat and glare
PUBLISHED REFERENCE	15% VLT / 72% TSER / 83% glare reduction*
INSTALLER	Shore Tint & More

*Representative 3M published values for Night Vision 15 on 1/4-inch clear single-pane glass. Actual performance varies with glass type and construction. 3M and Night Vision are trademarks of 3M. Project photography is provided as a Shore Tint & More installation reference.

COMMERCIAL ARCHITECTURAL WINDOW FILM

Commercial glass can do more.

From solar control and glare reduction to privacy, decorative film and safety/security retrofits, Shore Tint & More helps commercial facilities solve real glass problems with retrofit film systems.

SCAN TO VISIT SHORE