

SITE

Dulles International Airport

SITE LOCATION

Washington, DC

VISTA® PRODUCT USED

Soft Horizons V33

Terminate Terminal Heat and Glare

heat and glare



In the past, passengers who traveled through the main terminal at Dulles International Airport suffered in the summer, when temperatures reached into the high 90's, with uncomfortable heat and eye-straining glare. More than sixteen million passengers use the terminal annually, with some four million coming from overseas, which makes for a lot of hot and bothered travelers!

The main terminal at Dulles is a large building that makes maximum use of glass within its structure. Designed by world-renowned architect Eero Saarinen and expanded in 1996, the terminal, set in 11,000 acres of land, is 1,240 feet in length and covers over 1,000,000 square feet in area. Thirty-five passenger airlines serve 44,000 passengers a day with direct non-stop services to 75 US and 28 foreign cities, operating from 90 gates.

Not only was a huge amount of glass integrated into the complex design, but also the many individual pieces were crafted to an irregular configuration. The task was to incorporate solar control — diminish heat and glare — in the individual segments of this aesthetically pleasing but complicated glass arrangement.

Vista® V33 Soft Horizons window film was chosen to meet the solar control challenge.

Installation called for difficult and detailed work. Each pane required tailor-made pieces of film and an artist's skill to achieve a precise fit. Vista® V33 Soft Horizons film was fitted to 60,000 square feet of glass, with the installers at times suspended as high as sixty feet in the air to film trapezoid windows. The work took over 90 days and nights to complete.

But after the film was finally installed on the inside surfaces of the glass it reduced solar heat by 49% and effectively blocked sunlight to an eye-comfortable level of 33%, reducing glare by 63%.

Today, passengers can traverse the Dulles Main Terminal in comfort and not be blinded by sun glare, thanks to Vista® Window Film.

CASE HISTORY

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Vista® Window Film is pleased to have strict quality systems and has been ISO 9001 Certified
(Certificate Number FM 35957)

The nature of certain delicate fabrics and dyes will lead to premature fading regardless of the application of any window film protective treatment.

Printed in U.S.A.

L1366-06/08

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