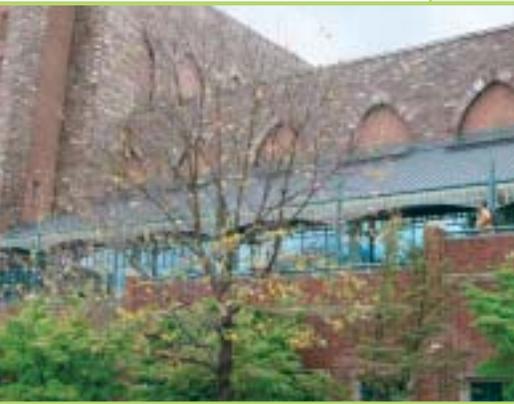


CASE STUDY

SELECT SERIES DREI

ENERGY CONSERVATION FOR HISTORIC PROPERTIES

Princeton University



- *Prolongs the life of interiors by reducing fading*
- *Turns existing windows into "SUPER WINDOWS"*
- *Green Solutions for existing buildings and homes.*
- *Maintains the Aesthetics of Historical Buildings*

Universities and colleges are now mandated by most states to save considerable amounts on their energy usage, and to consider green solutions to address environmental concerns, of students, faculty, alumni, and the general public.

Princeton University, from whom more U.S. presidents have graduated than from any other college, was faced with similar challenges regarding energy efficiency: the university's Green Energy Project Team conducted studies to determine fit, feasibility, and environmental impact, before choosing Hüper Optik's Select Series Drei film, as a solution.

Task:

Princeton University's Building of Design and Construction, 200 Elm Street, which houses the green energy project team, and administrative group, wanted to explore a film application that would deliver green-friendly results, and energy savings that would not compromise the historical aspects of campus buildings that were over 100 years old.

Solution:

When faced with the challenges of conserving energy, and preserving the views in all campus facilities, Princeton's Facility Management and

Green Energy Project Teams considered replacing the glass of all the buildings in question. Hüper Optik® was able to prevent the release of more fossil fuel into the environment by circumventing new glass production, at a fraction of the cost. All installations were completed without any downtime for normal campus activities

Result:

The architectural aesthetics and historical value of an educational institution was preserved, without Princeton's Facility Management Team leaving another carbon footprint on the earth by using newly manufactured glass. Through Hüper Optik® Drei, existing glass was transformed into Super Glass that changed the way the buildings felt, not the way they looked, which was the exact goal of this historic institution.



Performance data is based on this film being applied to the inside of 3mm clear glass. All data calculated using the definitions and equations in ISO9050 & ASHARE Handbook. The data is subject to variations within industry standards.
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