

WARM EDGE

DIGEST

Super frames plus Super Spacer equals Duxton's formula for success

Edges are windows' weakest thermal link and unfortunately every window has not one but two sets of them -- the wall opening itself and the sealed IG unit's perimeter.

DUXTON Windows and Doors of Winnipeg, Manitoba, has taken this reality to heart more than most window companies. With frame-lineals from In-Line Fiberglass, plus AFG-made, Super Spacer-equipped insulating glass, the company's cold-climate fenestration package is the dual deliverer of Western Canada style thermal performance and condensation protection.

DUXTON Windows & Doors specializes in the fabrication of pultruded fiberglass windows and doors. The firm has most recently doubled produc-



The window systems feature AFG's Ti-R low e Argon filled windows with Super Spacer high performance glass

tion capacity with the addition of equipment, additional hiring of production personnel as well as facility expansion.

The firm utilizes pultruded lineals and some completed product to create an innovative range of fenestration solutions. A high percentage of product is being used in commercial and institutional settings (schools, church facilities, restaurants, etc) in a range of finishes (Brick Red, RetroSilver, Deep Muted Green).



Mountain Equipment Co-op, innovative retailer of outdoor enthusiast products and sports equipment considers windows made with Super Spacer a key element of the building's aesthetics and energy efficiency.

"Fiberglass is such a high quality frame and sash material," says DUXTON President, Al Dueck. "We see it merging with Edgetech's warm-edge technology as a great bolstering of our product line -- and so do a growing list of our environmentally conscious customers." (continued on pg. 2)

 **Edgetech**

BETWEEN YOU AND THE ELEMENTS.

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Mountain Equipment Co-op, a very innovative retailer of outdoor enthusiast products and sports equipment, is one such environmentally conscious customer that is in the process of completing a very unusual building project in Winnipeg, Canada. Prairie Architect has worked closely with the virtual re-construction of an older office building located in a prime location on Portage Avenue in Winnipeg. The process is resulting in a re-cycled materials designation of an amazing 98% (one of the highest in the world!) according to Center Venture spokesperson Diane Bampton, "This is truly a first in Canada, not just in Winnipeg."

"The projects incorporates some interesting architectural elements," says Peter Paetkau of Prairie Architects, "The silver curved shade on the roof top provides productive shading as well as a very interesting detail. We have also incorporated a roof garden complete with use of grey water for the plants."

Windows form a very key element of the project in terms of aesthetics as well as energy efficiency. Tall, aluminum strip windows in anodized aluminum finish highlight several elevations. The north elevation features a combination of fixed and awning windows complete with a Silver exterior and white interior. The selection of fiberglass windows from DUXTON Windows & Doors is based on several factors including the performance level of the product, the high environmental rating of the window



Pictured above is the Ecole Notre Dame entrance area, which features energy efficient angled windows made with Super Spacer. To view additional DUXTON projects, visit www.duxtonwindows.com

material as well as working with local suppliers. Technical experts in Canada as well as the United States have recognized insulated fiberglass window frames as the best system available.

Furthermore, independent assessments have also found the system to have the lowest environment

impact.

The selected window systems will feature the awning / fixed windows complete with AFG Ti-R e/Argon c/w Super Spacer high performance glass. Simulation analysis determined that these insulating glass units would provide the best possible performance from a heat loss as well as heat gain perspective. A mixture of finishes will be provided including a Metallic silver for the units which are interspersed with Aluminum strip windows on the Portage Avenue elevation.

"We are honored to be selected for this leading edge project by a firm which clearly lives up to its commitments," says Al Dueck. "We believe that these opportunities allow us to further refine our approach to advanced building envelopes in window frames as well as high performance glass."