



CAPE BRETON REGIONAL HOSPITAL SYDNEY, NS

We put a large number of windows through the full range of Canadian Standards Association (CSA) testing at the Nova Scotia Research Institute in Dartmouth: thermal performance, wind, moisture penetration and condensation resistance. We also engaged a Toronto building envelope consultant, Michel Perreault, who arranged for all the testing, set up the specifications and monitored the results."

The winner was vinyl window manufacturer and Super Spacer user and devotee, Atlantech Extrusions of North Sydney, NS.

This was Quanex's first large modern hospital installation, and during 1992 construction, Michel Perreault told Quanex, "As soon as you design for an outside temperature lower than -15°C , you can't really hope to achieve even 30-35% RH on the inside without condensation—unless you're prepared to go to warm edge technology."

A decade later, and with some areas requiring up to 50% RH, project manager Derek Fletcher comments, "I can tell you that the windows have performed very well. Not a single instance of condensation has been reported to me."



TECHNICAL DETAILS OF THE PROJECT



THE CLIENT

Cape Breton Regional Hospital

THE PROJECT

Constructed 1990-1993
Building Size: 500,000 sq.ft.

CONSTRUCTION

Windows: Atlantech Extrusions -
North Sydney, Nova Scotia
Frames: Extruded Vinyl
IG: Dual pane, 1/4" clear low-e glass
with argon gas and Super Spacer®

ARCHITECT

Derek Fletcher, Project Manager
Urban Consultants Ltd. - Sydney, Nova Scotia

CONTACT

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