

RBC WATERSIDE CENTRE

HALIFAX, NOVA SCOTIA, CANADA



In the heart of downtown Halifax, the RBC Waterside Centre is the city's first 'Class A' space in more than 20 years. Icynene's largest contractor in Atlantic Canada, MJM Energy, was contracted to insulate the design with Icynene MD-C-200® closed cell spray foam insulation.

The first 'Class A' building to be constructed in more than 20 years has transformed the skyline of Atlantic Canada's largest city, Halifax.

Right in the heart of the city, the new RBC Waterside Centre is mere minutes from the Halifax Metro Centre, Casino Nova Scotia and the busy Halifax Ferry Terminal. The \$25-million, nine storey building at 1871 Hollis Street will house the new Atlantic Canada headquarters for major tenant, Royal Bank of Canada (RBC).

Merging Preservation with Modern Design

The RBC Waterside Centre blends modern construction principles with preservation. The project's design team sought to preserve the site's original historic façade while adding additional floor space to create a visually stunning and energy efficient structure. In total, the RBC Waterside Centre will have a gross floor area of approximately 100,000 square feet.

Icynene's largest licensed spray foam contractor in Atlantic Canada, MJM Energy, was enlisted to help the developer achieve their green objectives through the inclusion of a high-performance spray foam insulation material.

Overcoming Challenges

The MJM Energy team chose Icynene's medium-density, closed cell MD-C-200® spray foam insulation throughout the structure to meet all the building code requirements pertaining to insulation.

The project embodied many of the typical challenges contractors face when integrating energy efficient new construction with deteriorated historic structures. For MJM Energy, the largest challenge with this project was properly defining and maintaining the thermal portion of the building envelope. The team from MJM Energy worked closely with



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the developer, architectural team, structural engineers as well as Icynene's Engineering Department to develop an effective and high-performing solution that exceeded requirements.

Icynene MD-C-200 allows architects to design to meet or exceed the ASHRAE 90.1 – 2007 Energy Standard for Buildings.

Spray foam crews had to work around the tight space constraints imposed by the site's downtown location and high traffic. Determined to overcome any challenge, the MJM Energy spray foam crew sprayed foam into backpans off-site. They were then transported to site for installation. This allowed the curtain wall installer to have only what was needed on-site. In total, the spray foam crews installed spray foam into backpans for the curtain walls, exterior sheer walls, below grade parking garage and behind all original historic brick and granite.



The Result

Construction continues at the RBC Waterside site and is on track to achieve LEED Gold certification. Aside from a high-performance closed-cell spray foam, the RBC Waterside Centre will also feature day-lighting technology, high-efficiency air handling and heat recovery ventilation systems.

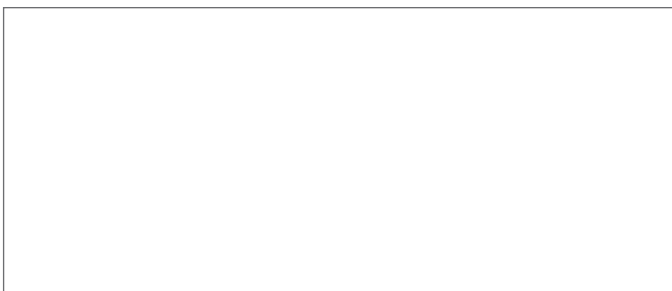
For their incredible commitment and efforts, MJM Energy was awarded the Best Commercial Retrofit Project - North America awarded at the Icynene 2014 Global Conference.



Footnotes:

1. *Icynene Inc. would like to thank Icynene contractor, MJM Energy for their assistance with this document. Images and photographs supplied by MJM Energy.*

For further information, contact your local licensed Icynene dealer.



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