



NANOTECH
INNOVATION

Preserving History Through Buildings

Corrosion Relief for Character Historic Doors



Client Profile

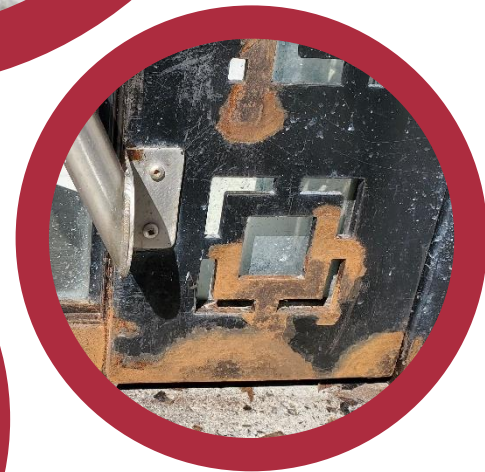
Millennium Development Group is a Canadian real estate development organization and world class master planned community builder with mixed-use complexes, residential towers and buildings, shopping centres, office buildings, and commercial and industrial centres. Based in Vancouver BC, the Group's portfolio includes approximately \$6 billion built or under development in Canada and abroad. Millennium has won several awards for building design and environmental leadership.



Challenge

Old buildings are witnesses to the aesthetic and cultural history of a city, helping to give people a sense of place and connection to the past. Recognizing the importance of old buildings to the public and to the country's heritage, Millennium needed to find a way to preserve the character structures on their 20th century buildings without damage.

To date – the only option was to continually paint over the rust providing only a cosmetic fix. The extensive formation of corrosion under the paint meant expensive modern replacement and diminished historical value. In this case, rust had become a serious problem on a metal entrance door on one of Millennium's historical buildings.



Solution

Because entrance doors contribute to the key character of buildings and reflect historical significance, the NanoTech rust converter was chosen to coat 10 sq.ft. of the metal door frame that was severely corroded due to its age. The historical door was brushed lightly to remove any dirt, debris and paint chips, followed by the application of the nano rust converter. The NanoTech rust technology converted the existing rust to a protective layer, creating an 80µm thick durable coating, preventing future corrosion and successfully preserving the appearance and quality of the door and its historical value. The NanoTech rust converter can be used to protect and beautify interior and exterior architectural surfaces and various types of historical building structures such as doors & doorframes, windows and roofs.



MILLENNIUM
GASTOWN



Benefit & Results

In the vast majority of cases, the preservation of existing historic buildings is more cost effective than new replacement. In Millennium's case, avoiding door replacement through the use of NanoTech's primer and experienced team helped to reduce the following building life-cycle costs and objectives:

Cost savings

No downtime or business disruptions

Long term protection – over 10 years durability

Achieve environmental objectives

Reduced waste



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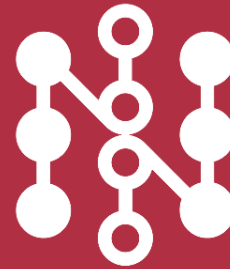


“This product was quite fascinating for me, and I believe that we can use it in many different projects. I would definitely recommend this product and will advise other departments in Millennium to use the NanoTech rust converter.”

Property Manager - Millennium

About NanoTech Innovation

Nano Tech Innovation is a material science company which develops technologies for industries operating in challenging corrosive environments. Rigorous testing and customer use cases are proving significant cost savings and industry advantages. NanoTech's rust converter is a brush-on/spray-on primer which is applied to dry or slightly wet surfaces as a liquid and dries quickly into a stable, long lasting coating. The NanoTech rust converter can be used on any rusted ferrous surfaces.



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For more information please contact info@nanotechinnovation.ca