

MIRVISH VILLAGE DEVELOPMENT **FAÇADE** RETENTION

JOB DETAILS:

MARKET:

Architectural/Commercial

PRODUCT:

CarboComp Textile 300
CarboComp 5800/BL Adhesive
5800 Carbo LPL Adhesive

AREA:

Façade Retention

DATE:

2019

MATERIAL QUANTITY:

Approx. 135 Square Metres

LOCATION:

Toronto, Ontario



One of Toronto's most iconic sites, Honest Ed's, was purchased by Westbank in 2013. Westbank is dedicated to the creation of beautiful buildings with a focus on large mixed-use projects placing great importance on sustainability. The goal of the firm is a body of work that improves the cities it practices in while incorporating a high degree of artistry.

Founded by Ed Mirvish in 1948, Honest Ed's brought people together from all walks of life, creating a community and catalyzing collective memory-making. Mirvish Village is designed to live up to that legacy.

In total, 24 heritage buildings are being conserved across the site, helping to stitch back together the historical fine-grained streetscapes of Bathurst and Bloor with their narrow shop fronts at street level, and helping to define the character of the new buildings with varying façade typologies, including low and mid-rise buildings and a series of micro-towers.

The heritage façade located at the intersection of Bathurst and Lennox is integrated into one of the micro towers. To protect the delicate Victorian Brick edifice during the construction phase, which includes removal of the majority of the internal structure, Laurie McCulloch Building Moving,

working in conjunction with Facet Group Engineering and Heritage Restoration Inc., applied Stonhard Construction Solutions CarboComp 300 Carbon Fibre Textile in combination with 5800 BL Epoxy Adhesive and a proprietary cementitious levelling mortar to create supporting beams and columns which reinforce the internal brick faces.

Following designs prepared by the Facet Group, the interior brickwork was prepared using a wet sand blasting technique and then pre-levelled with a proprietary micro fibre reinforced levelling mortar. This step provides a flat surface over the brick and mortar bed ensuring maximum bond and efficiency for the Carbon Fibre Fabric. Once this layer was cured, beams and columns were created using carbon fibre textile to provide the required support. Approximately 135m² of carbon fibre fabric was used to successfully shore the building during the construction phase.

CarboComp Textile 300 is a unidirectional carbon fibre textile with strand oriented in longitudinal direction used to increase the bearing capacity of columns in bridges and buildings and the shear strength of beams. This textile is adhered to the surface with 5800 Carbo LPL.