

WILDPLAY ZIPLINE TO THE FALLS

JOB DETAILS:

MARKET:

Recreation

PRODUCT:

StonDeck FD4

AREA:

Exterior Launch Pad

SQUARE FOOTAGE:

1,000 Square Feet

LOCATION:

Niagara Falls, Ontario



PREPARATION



CRACK TREATMENT



INSTALLATION



AFTER

The Zipline To The Falls is precariously located 220ft above the Niagara River Gorge, with amazing views of the American and Canadian Horseshoe Falls. This 2,200ft long zipline attraction reaches speeds of up to 40 mph, with 4 riders launched from a concrete platform into the Niagara River Gorge to the Horseshoe Falls observation landing.

4 zipline cables are anchored into the launchpad at the top of the gorge and secured into the Horseshoe Falls observation landing platform at the end of the ride. Stonhard was asked to review the old failing deck coatings of the “Launch Pad” and engineer a long-term, durable, light stable and slip-resistant surface for this safety critical area.

Stonhard's Installation Team removed the old coatings and prepared the concrete surfaces to install the StonDeck FD4

waterproofing system, which is a fluid applied membrane designed to provide durable, long-term protection to exposed concrete decks.

Underlying cracks exposed during the preparation process were mechanically routed out and then pre-treated with polyurethane caulking and StonDeck Membrane prior to the application of Primer HT to the entire surface, ensuring the substrate was sealed and ready for the next layer.

Once the primer was cured, a PU-Epoxy Hybrid Membrane layer was added, followed by StonDeck Basecoat with a full broadcast of durable quartz aggregates for a consistent slip-resistant surface. Aggregates are locked in place with StonDeck UV Sealer, which provides a light stable, abrasion resistant and aesthetically pleasing finish.