



EHI Projects Corp.

—Creating A Sustainable Future—

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Collin Watson,
EHI Products
Corp



Project Size: 9,200 SF

Installer: EHI Projects Corp

System: Geo-Seal 100

Environmental Engineers: WSP



CREATIVE SOLUTION ENABLES GEO-SEAL 100 INSTALLATION TO PROCEED DESPITE ADVERSE WEATHER

Many of EPRO's systems are versatile and hardy enough to be installed even through adverse weather conditions – and this can be a huge benefit to any job site. Recently, new construction at the Calgary Zoo illustrated that both the product, Geo-Seal 100, and the EPRO team could find a way – no matter the weather – for a successful installation, despite challenges that arose.

The Calgary Zoo chose a vacant piece of land on their property to construct a new vehicle maintenance shop. Soil testing showed that the building would be sitting on a very old, abandoned landfill site. Due to the potential of residual site contamination, a vapor intrusion mitigation system was required to protect the new building.

The instability of the soil was also a strong design factor in choosing the Geo-Seal 100 liner system. Robert Watson of EHI Projects Corp, the installer explains, “Geo-Seal 100 bonds to the underside of the slab better than any other product on the market. We’ve done numerous projects like this, and we found that Geo-Seal does exactly what it was designed to do, and it does it flawlessly.”

Installation in progress.

Applying EPRO CORE



Collin Watson, also of EHI Projects, added, “When the original Zoo project was presented to us, we accepted its 9,200 square foot liner installation combined with a complex perimeter seal, along with an additional 400+ liner mechanical penetrations as another day at the office. We could easily see why the environmental design engineers, WSP, chose EPRO products and particularly Geo-Seal 100 as the product of choice.”

“We would not have taken this project on with any other material.” he went on to say, “However it was the extreme cold temperatures coupled with fierce high winds in mid December in Alberta that made things most interesting.”

“PCL, the general contractor, erected an inflatable ‘parachute like structure’ over the building footprint. A series of industrial heaters brought the -20C temperatures up to the desired warmth. However, it was the high winds that caused the most grief. Eventually a scaffold system was erected inside the structure to prevent the air structure from flattening on us while we were working.”

Geo-Seal 100 is the most chemically resistant vapor intrusion barrier on the market today according to third party independent testing. Designed to be thick and robust, Geo-Seal 100 can withstand the rigors of modern-day construction by providing high tensile strength, puncture resistance and robust seals around penetrations, and terminations. Thoroughly tested and proven highly effective against VOC vapors — such as chlorinated solvents, petroleum hydrocarbons and methane gas — Geo-Seal 100 earns full approval with multiple federal and state regulatory agencies.

Collin added, “Ultimately, all trades working closely together made this a successful project. The project came in on time, on budget, and with material test results that pleased all.”