

CASE STUDY



ONTARIO FOOD MANUFACTURING

LOCATION: ONTARIO, CANADA

COMPLETION DATE: 2019

SYSTEM: FiberTite® XT SYSTEM

SECTOR: FOOD MANUFACTURING - REFURBISHMENT

ROOF AREA: 39,948 M²



ONTARIO FOOD MANUFACTURING

BACKGROUND:

A food manufacturing facility in Ontario, Canada, had a 6-year-old thermoplastic polyolefin (TPO) roof that was in drastic need of replacement. The roof of the facility was pushed to its limits with rooftop equipment, long snowy winters, and, most importantly, foot traffic from maintenance crews.

CHALLENGES:

Due to the wear and tear on their existing TPO roof system, the food processing facility experienced thousands of leaks over the years. These leaks not only posed a damage risk for the equipment, but it was also a safety hazard for their employees and even a health concern for their customers. It was critically important that the food manufacturing facility resolve its current leaks and prevent any more from occurring. The owners of the food processing facility knew that they wanted to replace the roof with another single-ply system, and they were initially looking into another TPO roof. This food processing facility needed a new roof system that was watertight, easy to install, and, most importantly, it required a puncture and byproduct resistant membrane that would hold up to mechanical damage and foot traffic.

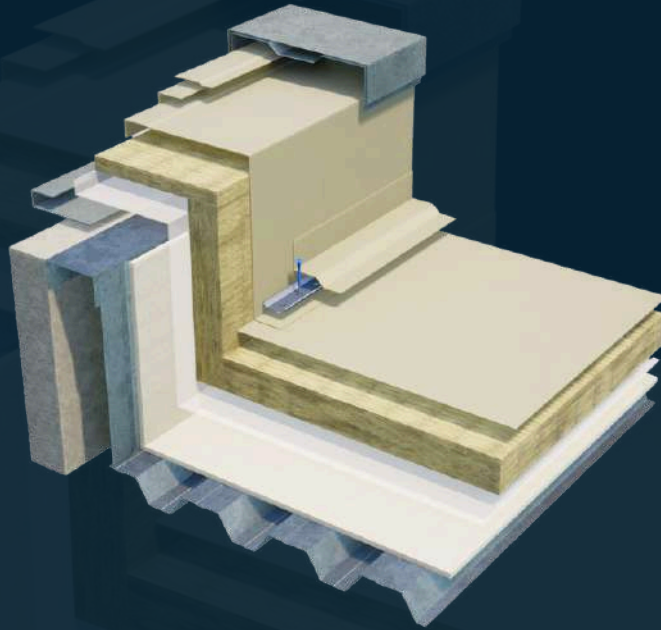
SOLUTION:

The roof was replaced with a FiberTite® XT membrane with the goal of minimal disruption to day-to-day operations over an 18-month period. The puncture resistance of the FiberTite® membrane is expected to hold up to the wear and tear of a food processing facility.



SYSTEM USED

FiberTite® XT SYSTEM



BENEFITS:

- Utilising Elvaloy technology to create a KEE-PVC waterproofing membrane that provides superior performance over other single ply membranes.
- Superior fiber reinforcement provides unrivalled puncture resistance, tensile strength and resistance to foot traffic.
- Cold flexibility at temperatures as low as - 20°C.
- Elvaloy is used instead of liquid plasticisers, eliminating Plasticiser migration providing resistance against chemical, bi-product and environmental factors.
- Available with extended system warranties and a service life in excess of 25 years.
- Factory Mutual Certified Assemblies (consult MOY or RoofNav for further info)

