

Application Profile

- Project:** Edmonton Garrison, Edmonton, Alberta, CANADA
- Polyurea Applicator:** Advance Coating Solutions, Edmonton, Alberta, CANADA
Inspection by Primeaux Associates LLC
- Polyurea System Applied:** VersaFlex FSS 45DC SS, VersaFlex Incorporated
- Substrate / Area:** Fuel Containment, over Geotextile, approx 5,000 ft²
- Date:** Applied early 2004, Inspection Fall 2005

The Edmonton Garrison is one of the military location in the Edmonton area. This site is where many of the military aircraft are used for training and flight work. Being aware of environmental issues related to spills of fuel, the concrete fuel storage areas were in need of a liner system. The FSS 45 DC SS over geotextile was chosen as the liner system for this fuel storage area due to elastomer performance, flexibility and installation ability in cold weather. A nominal 80 mils (2.0 mm) was applied to the geotextile and concrete walls, using a stipple texture for non-skid on the floor area.

After over 1 year of service, the applied FSS 45DC SS aromatic polyurea elastomer system (beige) is performing well. While there have been some small spills, there has been no affect on the FSS 45 DC SS system. There is primarily foot traffic here but there are no cuts or breaches in the coating system. The applied liner system remains bonded well to the concrete perimeter wall, as well as the pads and building areas.



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