

Application Profile

- Project:** Envirofor, Edmonton, Alberta, CANADA
- Polyurea Applicator:** Advance Coating Solutions, Edmonton, Alberta, CANADA
Inspection by Primeaux Associates LLC
- Polyurea System Applied:** PolyShield™ HT, Specialty Products, Inc.
- Substrate / Area:** Concrete Flooring Containment, approx 15,000 ft²
- Date:** Applied 2001, Inspection 2005

Envirofor is a lumber pressure treating facility, using high pressure, heat and an aqueous solution of Chromic oxide, Copper oxide and Arsenic oxide. There are numerous spills, creating an environmental issue due to the cracks in the concrete floor. The PolyShield HT was chosen as an industrial floor coating to withstand the abuse of fork lift traffic and the corrosive chemicals. A nominal 80 mils (2.0 mm) was applied to the prepared concrete floor, using a stipple texture for non-skid.



After 4 years of service, the applied PolyShield HT aromatic polyurea elastomer system (dark gray) is still performing well. While there have been numerous spills, little effort has been done to clean the coated floors. This has created more of a constant immersion situation rather than secondary containment / incidental contact. However, the floor is performing very well, aside from a few stain areas. Some of the stipple has worn in areas, as would be expected with the heavy fork lift traffic. But there are no cuts or breaches in the coating system.



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