

Project: Waterproofing of concrete surface

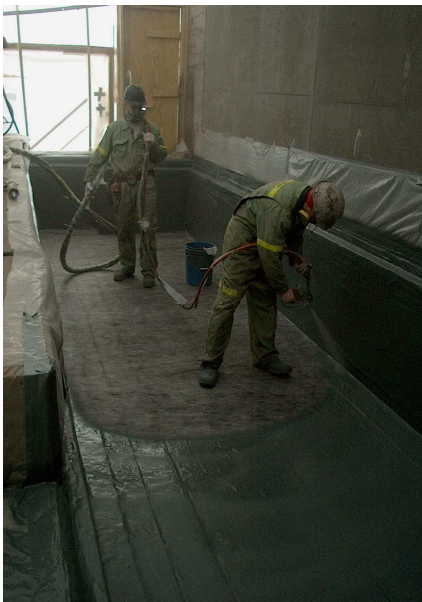
Owner: Hydro Quebec

System: Mono Ferro Pur, Polyflex 201

Surface: 5,000 p² / 464 m²

Completed: 2003

Location: Quebec, Canada



Hydro Québec, the largest Energy supplier in Québec was looking into waterproofing the concrete surface of one of their most important water dams. They were looking into a high performance membrane which could be applied directly over the concrete surface with little preparation and be sprayed at a very low temperature. They absolutely needed a system that would have excellent elongation to avoid cracking and water leaking through. After analyzing which system to use they decided to go with the innovative Polyflex 201 system that Polyval Coatings was offering. This system was based on one layer of Mono Ferro Pur followed by one coat of Polyflex 201. There was minimal surface preparation which was a considering factor in their decision process. The Polyflex 201 at 2.00 mm D.F.T (80 mils) formed a monolithic membrane without any joints that had an elongation of

more than 400%. This was the perfect system that Hydro Québec needed to protect their water dam from anymore damage that had been occurring the previous years. After the job was finished, the water dam had the best waterproofing protection, one that would stay for many years to come!

