

# Project Case Study

## Project Poly-Tech Waterproofing Solutions

### Rymill Water Fountain



## Project Summary

Substrate

Concrete

Surface Preparation

High Pressure Water Blasting  
Concrete Grinding

Internal Structure

Xypex Megamix

External System

Xypex

## Project Description

Poly-Tech adds significant value to the waterproofing industry due to our 20 years experience and water tight relationships with major suppliers. We assist our clients specify the right membrane system in any given environment and our market leading application methods protect contents underneath or within, as well as protecting structural integrity.

Waterproofing of concrete and masonry structures both new and old is an important procedure to ensure longevity and protection. Adelaide City Council contacted us regarding a remedial water fountain project. The fountain was in a serious state of disrepair with leaks prominent in the fountain floor substrate and perimeter walls.

A hydrophilic Xypex system was recommended by Poly-Tech which uses a crystallization technology that replaces the water in the concrete with insoluble crystals.

Our method consisted of the following 7 steps:

1. Concrete Grinding
2. Water Blast Preparation
3. Grouting for minor internal fairing to form perimeter coves using megamix 2
4. Installation of spray applied and trowel finish Xypex modified / concentrate / gamma cure throughout entire pond/external perimeter and concrete to negative side of the fountain with plastic protection to below ground
5. Installation of grey Xypex concentrate.
6. Installation of grey Xypex modified
7. Spray apply catalyst - Gamma Cure

Effective waterproofing systems relies on exacting application. If not done correctly problems can occur with non adherence to the substrate leading to leakage and corrosion.

Poly-Tech Industrial Services understands today's waterproofing challenges. Using our experience with hydrophilic and hydrophobic systems, we will ensure only the correct products are used in each environment offering piece of mind and unbeatable protection.

The concrete protection & restoration specialists  
South Australia, Tasmania, Victoria & Northern Territory