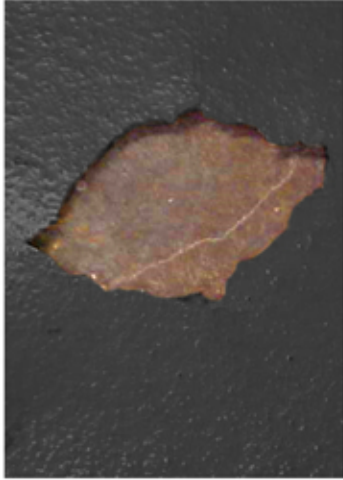


# Project Case Study

## Project

### Fruit & Veg Wholesaler

Uraidla,  
SA



## Project Summary

Substrate

Concrete

Surface Preparation

Diamond grinding

System

Densi - Proof

Epoxy topcoat

## Project Description

AF Parker & Sons, a fruit and vegetable wholesalers in Uraidla had come across an immense setback with their newly laid floor. Their packaging shed had recently been coated with a high build epoxy; however within four month the application began to fail and suffered a severe case of hydrostatic pressure which causes osmosis because the correct coating to the substrate had not been laid. The osmosis brought about the diffusion of fluid through the semi-permeable membrane causing bubbling under the floors surface.

Poly-Tech was called in to rectify this osmosis problem. Firstly to prepare the surface total removal of the existing system was achieved by diamond grinding; which is by definition the most practical and widely used method of preparation and is widely used in the rectification of undulating or water damaged concrete.

The Densiproof flooring installed by Poly-Tech included a one coat spray application to the substrate which acts as a moisture barrier and can withstand hydrostatic pressure of up to 45 metres of water providing permanent waterproofing and protection. Densiproof purges and stops the migration of contaminates from the concrete, and being a colloidal silicate seals the pores of the concrete. Another vast advantage of this product is that it lowers the pH lever of concrete making it better for adhesives and coatings to stick.

The following day, after the Densi-proof had cured a top coat of 100% epoxy was applied now makes it almost invincible. This system adds to the durability to the surface, as well an aesthetic appeal. It increases the longevity of the surfaces tremendously, is a tough, UV resistant, protective coating with excellent hardness, and good abrasion resistance.

Poly-Tech has now ensured the client would have no need to revisit their flooring requirements for many many years to come.

Another successful procedure!!

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