

---

## REBUILDING AND SEALING VERTICAL EXPANSION JOINT

---

### CUSTOMER

HOSPITAL  
Vancouver, British Columbia, Canada



### APPLICATION DATE

JULY 1987

### PROBLEM

The expansion joint had become a perennial problem. The caulking material applied to seal the gap between the two pre-cast concrete slabs could not withstand the continuous movement.

### PRODUCTS

Belzona® 4111 Magma Quartz  
Belzona® 3111 Flexible Membrane

### SUBSTRATE

concrete

### APPLICATION METHOD

Application carried out in accordance with Belzona® Know-How Leaflets FPA-5 & RPA-1

### BELZONA FACTS

This application has been in service since its installation in 1989 with no additional maintenance required over that period.

### PHOTOGRAPHS

1. General view of 140ft vertical expansion joint
2. Spalled edges repaired with Belzona®. 4111. Application in progress. With special surface conditioning primer applied (purple) and application of 1<sup>st</sup> coat of Belzona® 3111 Flexible Membrane in progress
3. Completed application (*Inset picture taken January 2004*)

