

# Ensuring basement concrete walls are water protected

Building a basement below ground level can be a very useful space. One of the common methods is to dig a trench for the walls and fill with concrete. Typically, this approach is used if the wall is near an adjoining property. This method doesn't allow the wall to be tanked, or waterproofed on the water positive side. To protect your wall from water seepage the common practice is to add a crystalline growth compound to the concrete at the pour stage.

## PRODUCTS USED

Contec C1 – Crystalline Growth Compound



Trench with reinforcement mesh



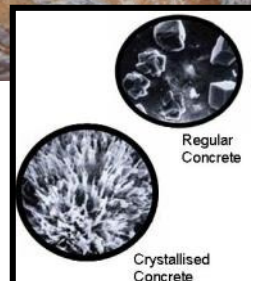
Add Contec C1 to the concrete truck on site with the pour



Soil excavated to reveal the wall



Adding C1 to the floor slab adds protection



# 'HOW TO' INSTRUCTIONS



## **APPLICATION METHOD:**

### **Product Information**

Water used in the concrete mix **MUST** be reduced by approximately 12½ % for a normal concrete or shotcrete mix design to gain a similar slump.

No other additive should be used unless specifically designed and approved for special applications.

**C1** concrete will pump more easily and allow easy finishing and cleaning up.

**C1** normal usage is 1½ % by weight of the cement content of the mix (include fly-ash and silica fume) to a maximum of 6kg per cubic metre of concrete.

**C1** is available in plastic pails. Before opening the pails turn upside down to aerate the contents and overcome storage compaction.

### **Directions For Use**

#### **C1 ADDED AT THE SITE**

The pre-weighted powder should be added slowly and mixed for a minimum of 10 minutes in the transit truck bowl or concrete mixer. Ensure water content had been adjusted as above.

**NOTE:** *Should the delivery and placing time exceed 1 hour it is recommended to add C1 to the transit truck bowl at site.*

## **SAFETY CONSIDERATIONS:**

### **SAFETY:**

Wear rubber gloves to protect skin. When mixed with water or perspiration C1 may affect skin, avoid contact with eyes.

### **FIRST AID TREATMENT:**

Immediately wash skin with clean water, irrigate eyes with clean water, and seek medical attention for alkaline contact.