Step 1

Waterproof bottom layer of block work

Add Contec C1 to mortar mix

Add Contec C1 to centre void between the bottom layer of blocks

When making the mortar mix, add Contec C1 to the ratio of at least 1.5% the weight of cement in the total mix. e.g. 1 part water, 3 parts sand, 1 part cement, 1½% Contec C1 of weight of cement.

To make concrete mix, add approx third to ½ kg of Contec C1 to each 20kg bag of Cement.
1. Apply Flexipro to surface and lay Polycloth over the joint, smoothed into the wet surface.

2. Apply a coat of Flexipro over the surface of the Polycloth ensuring the coating penetrates the fibres of the Polycloth.

3. Apply a second coat of Flexipro to the entire area.

**Step 2**

Secure external wall joint with slab

- Install agricultural pipe
- Add mortar as the wall is being built
- Apply FLEXIPRO with reinforcing polycloth over the joint between the block work and the slab.
Step 3
Membrane the external wall

1. Apply a primer coat of FLEXIPRO or MICROL Primer
2. Apply two full strength coats of FLEXIPRO waterproofing membrane.

The broad area of the block work can be tanked using a roller. Care is to taken to ensure full coverage with each coating.
Step 4

Protect the Membrane on the external wall

- Install strong plastic Protection board prior to back fill
- Back fill soil and site materials against wall

Protection Board in rolls or sheets
1. Patch fill mortar course with Contec C1, crystalline growth compound

2. Slurry coat the wall with Contec C1

Slurry Coat Mix: 5 parts C1 to 2 parts water

Wear gloves and safety equipment

Remedial treatment from inside once the structure is completed
Adding a waterproofing component to Small Cellar construction in limited space.

**Step 1: Floor Slab**
Prepare trenching and form work for floor slab. Install reinforcing bars. Pour concrete slab, adding 5 kg of Contec C1 to every cubic meter of concrete mix.
Once the slab is set, install agricultural pipe and screed.

**Step 2: Concrete Walls**
Install Bentonite strips between the starter bars. Install frame work for walls. Pour concrete into the wall cavity, adding 5 kg of Contec C1 to every cubic meter of concrete mix. Agitate the concrete to eliminate air pockets. Remove frames when concrete is set.