# E40 Designed joints in in situ concrete

### To be read with Preliminaries/General conditions.

### 120 CONSTRUCTION/ MOVEMENT JOINTS GENERALLY

* Accuracy: Position and form joints accurately, straight, well-aligned and truly vertical or horizontal or parallel with setting out lines of the building.
* Modifications to joint design or location: Submit proposals.
* Placing concrete to form movement joints:
	+ Maintain effectiveness of joints. Prevent concrete entering joints or penetrating or impregnating compressible joint fillers.
	+ Do not place concrete simultaneously on both sides of movement joints.

### 132A ADDITIONAL REQUIREMENTS FOR CONSTRUCTION JOINTS

* Limitations: minimum cover of 100mm.

### 230A PREPARATION OF CONSTRUCTION JOINTS

* Substrate: Uniform and free of dirt and debris
	+ Remove surface irregularities.
	+ Surface damage, cracks, holes and depressions: Repair with Newton 203-RM.

### 310A FLEXIBLE WATERSTOPS

* Manufacturer: Newton Waterproofing Systems.
	+ Product reference: Newton 302 Injection Hose.
* Termination: Hose ends overlap. The overlap must be parallel and of 150mm with a 30-50mm gap between the two parallel ends.
* Placing concrete: Fully compact concrete around waterstops with no voids or porous areas.

### 540 INJECTION RESINS

Manufacturer: Newton Waterproofing Systems

Product reference: Newton 322-SP or Newton 323-SA