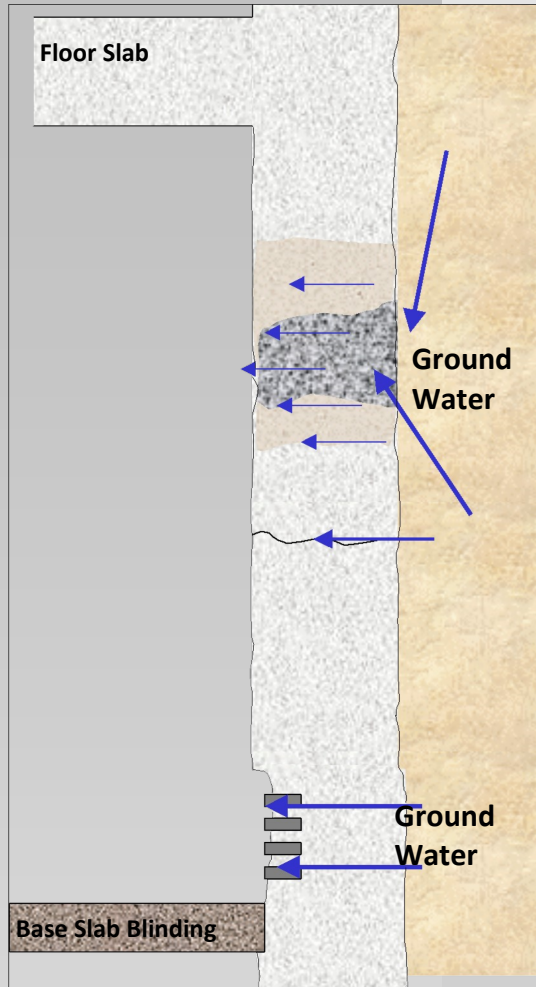
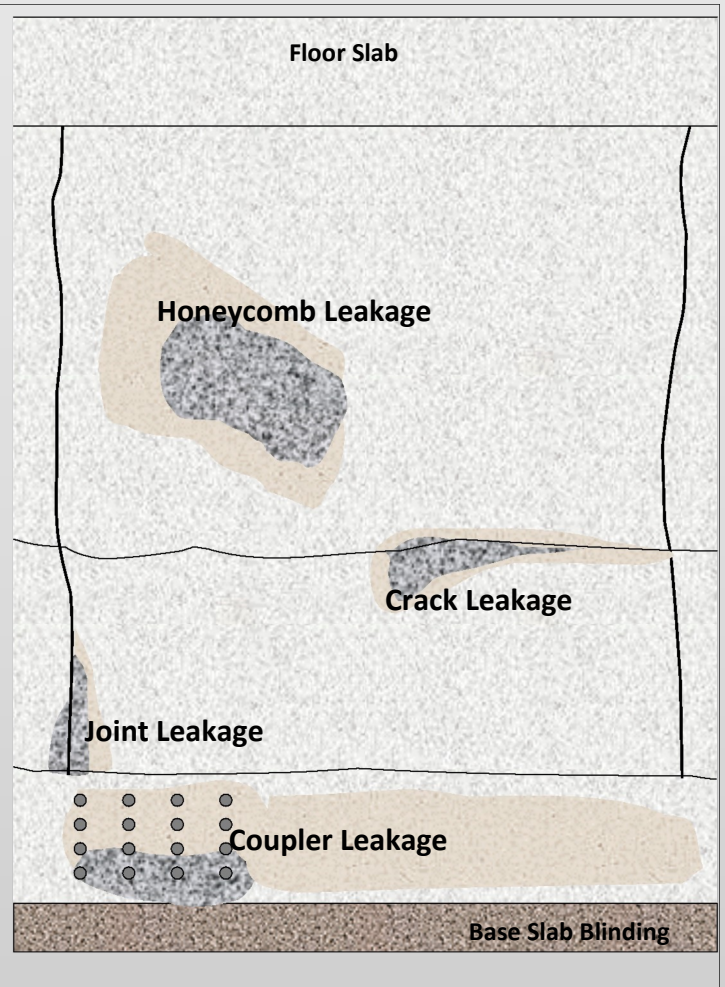


## Typical Repairs to Water Leakage at Diaphragm and Basement Walls



Wall Section

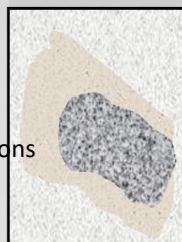


Wall Elevation

### REPAIR PROCEDURES

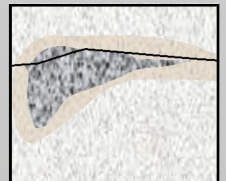
#### 1. Water penetration through honeycombed concrete

- 1 Dry damp area.
- 2 Inject PU injection resin at leakage locations
- 3 Square off area with saw cut and break out to a depth of 40-50mm
- 4 Prime concrete surface
- 5 Apply polymer modified sand cement patch repair (large areas may be applied by gunite process or sprayed mortar).



#### 4. Water penetration at cracks

- 1 Dry damp area.
- 2 Inject PU at leakage locations
- 3 Chase out crack to a depth of 50mm
- 4 Apply polymer modified sand cement patch repair to chase



#### 2. Water penetration at diaphragm wall panel joint

- 1 Dry damp area.
- 2 Inject PU at leakage locations
- 3 Chase out joint to a depth of 50mm
- 4 Apply polymer modified sand cement patch repair to chase



#### 3. Water penetration at base slab couplers

- 1 Dry damp area.
- 2 Inject PU at leakage locations
- 3 Apply polymer modified sand cement patch repair at coupler

