

Contec

C1



Crystallising Concrete Waterproofing Compound

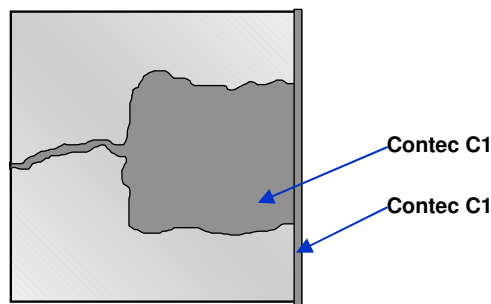
Proven Crack Repair Method for Concrete Water proofing



**Concrete Panels Pools Ponds
Slabs Car Parks Retaining Walls**

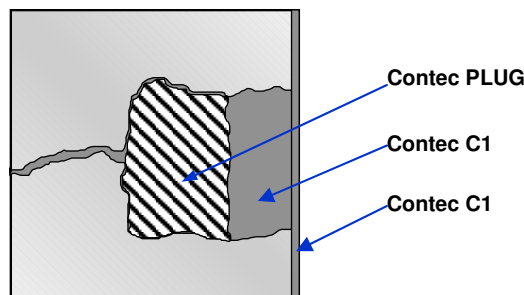
Water penetrating cracks in concrete may cause damage to the structure, including the corrosion of reinforcing steel. Repair and maintenance of concrete structures is not difficult and is a sound investment for the long term.

Follow application process provides for Dry or Wet crack repair: (details over page)



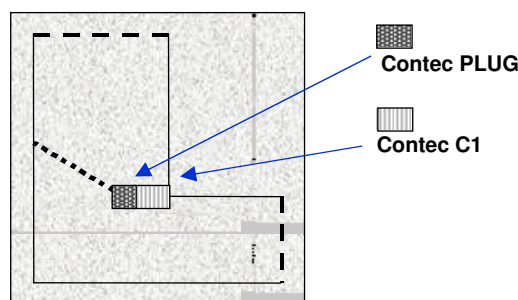
DRY REPAIR :

Chip out crack to form a chase approx. 30mm x 30mm deep. Chase should form a "U" shape. Wash area thoroughly with water, leaving no pooling. Prime with C1 slurry. Fill flush with surface with C1. Overcoat with C1 slurry at the rate of 0.75 kg/m².



LEAKING REPAIR :

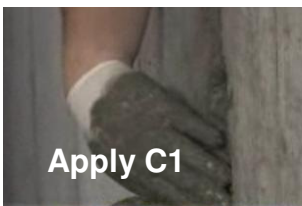
Chip out crack as above. Wash area thoroughly with water, leaving no pooling. Mix Contec Plug into 'putty' and press into chase. Prime with C1 and overcoat with C1 slurry at rate of 0.75 kg/m².



FLOOR WALL JOINT - CRACK REPAIR

Use the same principle as explained above.

SAFETY Wear rubber gloves and protective clothing to protect the skin. Contec C1 may affect the skin when mixed with water or perspiration. Do not kneel directly on wet C1. Avoid contact with eyes. Avoid inhaling dust.



PREPARATION

Contec C1 can be used to repair leakage through non moving static cracks. In general cracks must be cut out. The chase should be approximately 30mm wide and 30mm deep. If using an angle grinder, the cut faces should be well washed with water as well as being roughened with a chisel. In all cases unsound or bony sections should be removed even if reinforcing steel is exposed. Thin precast walls used in such constructions as water tanks should only be chased to a depth and width of up to 20mm.

DEEP CHASE

After removal of loose and bony concrete the repair of water leaks must be completed at the full depth and then the remaining void is filled with concrete or mortar.

PRE-SOAK SURFACE

Pre-soak surface of the chase with water. Water penetration must be contained by the application of Contec PLUG to approximately half of depth of the chase prior to progressing further.

DRY CRACK REPAIR APPLICATION

1. Pre wet surface of chase.
2. Prime the chase with a brush coat of Contec C1 mixed with water (3:1).
3. Mix 5 parts of Contec C1 powder with 1 part clean water to putty consistency. Only mix sufficient for use within 20-30 minutes. Ensure chase is damp and fill to the surface level with Contec C1 and lightly tamp to consolidate.
4. Apply surface coat of Contec C1 over repair to a width of approximately 300mm.

WET CRACK REPAIR

1. Water penetration must be eliminated prior to application of Contec C1 as water will dilute C1 and wash the application away.
2. Ensure all surfaces are pre-wetted before applications are made.
3. Commence application where water leakage is minimal leaving most difficult section until last.
4. Apply either Contec PLUG progressively to whole of chase to a depth of approximately 10 - 15mm. Each application should contain the water flow. If leaking persists remove faulty application and repeat procedure. Do not apply PLUG over PLUG. Should difficulty be experienced with application to the final section a plastic bleed hose may be installed with PLUG to reduce the water pressure. The hose can be removed after the repair is completed and cured. The hole is then filled with PLUG.
5. Complete the repair by applying Contec C1 as set out in "dry crack repair".

CURING:

Protect from hot sun, frost, rain and ponding until hardened and cured. Contec C1 must harden for 7 days prior to being immersed in liquids. Internal treatment of covered water tanks must be continuously ventilated until satisfactory curing and hardening is achieved.