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**CEMENTAID**

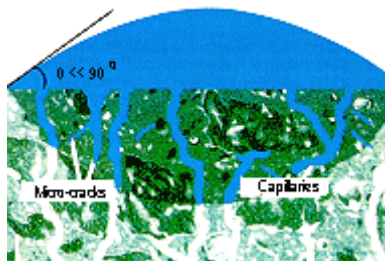
*The Way to Better Concrete*

**CEMENTAID INTERNATIONAL GROUP OF COMPANIES**

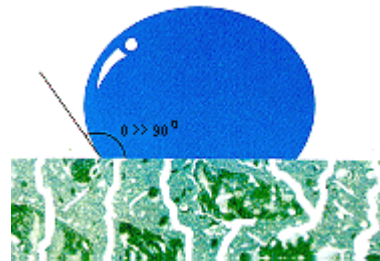
## **Waterproofing and Admixtures**

### **THE 3CC SYSTEM**

*Membrane-Free, Dampproof, Corrosion-Resistant Concrete*



*Normal Wettable Concrete*



*Water Repellent, Non-Absorptive  
Concrete with 3CC*

### **THE PROBLEM**

Ordinary concrete, even of high density and quality, inevitably contains a network of capillaries and microcracks as well as voids which draw in and transmit water and dampness. This leads to problems such as: visible leakage, dampness, deterioration of finished surfaces, corrosion of reinforcement and deterioration of the concrete matrix.

### **THE 3CC SOLUTION**

The 3CC SYSTEM offers owners, designers and contractors an effective, time-proven alternative to membranes and surface treatments. The System ingredients, Cementaid 3CC and SUPERPLASTET are included in the concrete mix at the batching plant, so your concrete is delivered to site already waterproofed! The benefits accrued by protecting your project with the 3CC SYSTEM are considerable.

- The structural concrete is permanently dampproofed throughout its mass.
- Complicated and time-consuming detailing of "waterproofing" layers is eliminated.
- There is no additional excavation for installation of external treatments.
- There are significant time savings during both design and construction.
- The waterproofing system is continuous over foundations and not susceptible to mechanical damage during construction or backfilling.

*The 3CC System is ideal for:*

## **BASEMENTS AND RETAINING WALLS**

The 3CC SYSTEM is a proven method for waterproofing and dampproofing basements and retaining walls exposed to relatively low hydrostatic pressures.

Reduced construction time and cost, space saving, simplified design, ease of repair and guaranteed performance, make the 3CC SYSTEM the natural practical preference to other waterproofing methods.



*The raft slab of this deep three level basement was completely waterproofed with 3CC SYSTEM concrete.*



*Swimming pool in East Malaysia waterproofed with the 3CC SYSTEM. Cementaid Weldcrete bonding agent was incorporated in the tile mortar.*

## **SWIMMING POOLS**

The waterproofing effects and enhanced durability of 3CC SYSTEM concrete make it the optimum solution for swimming pool construction, where leakage and reinforcement corrosion have been major problems.

The 3CC SYSTEM provides complete watertightness without internal barrier treatments..

## **SCREEDS AND RENDERS**

3CC is widely used for dampproofing screeds for bathrooms and kitchens etc., and for waterproofing external renders. 3CC reduces maintenance costs and preserves "new" appearance by extending the service life of renders and applied paints or finishes.

## **PRE-CAST CONCRETE**

3CC is the vital, yet inexpensive insurance for design-life protection of manufactured or pre-cast concrete elements such as concrete poles, culverts and external cladding. This simple, inexpensive insurance can often save many thousands of dollars over the service life of structures, while increasing their asset value.

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**SPEC-NET**  
Interior Design