



# WPCRETE™

## Pore-Blocking Hydrophobic Watertight Concrete

### DESCRIPTION

**WPCRETE™** is a pore-blocking hydrophobic concrete. Water absorption is significantly reduced in this concrete.

Special Additives are added which reacts with the cement hydration process to form a hydrophobic ingredient to reduce the capillary suction and prevent the ingress of potentially deleterious soluble material, resulting in concrete with enhanced durability which increases life span of structure.

### RECOMMENDED USES

**WPCRETE™** is suitable for any concrete structure, which requires watertightness, such as:

- Reinforced concrete in marine environment subject to tidal and wet / dry cycling
- Foundations, piles and pile caps
- Waste water treatment and desalination plant
- Tunnels / underpass
- Water retaining structures, swimming pools, water tanks, reservoirs, water towers
- Basement walls and floors
- Land drainage, manholes

### FEATURES AND BENEFITS

- Protection is maintained throughout the concrete matrix
- Environment friendly
- Increased durability and water tightness
- Compatible with surface coating and finishes

### PERFORMANCE TEST DATA

Water Absorption at 28 days : < 1 %

### CURING

Like all cementitious products, WPCRETE™ must be protected against rapid drying due to temperature and / or strong wind.

The use of wet burlap, plastic sheets or a curing compound is highly recommended.