



## Technical Services

### Technical Information Bulletin

**Subject: Xypex Admix C-1000NF in Shotcrete**

**Xypex Admix C-1000NF conforms to the requirements of AS1478.1 Special Purpose-Type Sn and is recommended for use in Shotcrete.**

The recommended dose rate for Xypex Admix C-1000NF to Shotcrete is 0.8% to 1.0% by weight of the total cementitious content of the concrete mix.

Application Procedures for Shotcrete treated with Xypex Admix C-1000NF (refer to Xypex Concrete Waterproofing Specification-Crystalline Waterproofing Additive).

- Dosing of the Xypex Admix C-1000NF is carried out at the time of batching the concrete (refer to Product Data Sheet)
- Project conditions will determine the design and placement of reinforcement steel, which includes strict conformance to the requirements of AS 3600.
- Placement of the Shotcrete will be in accordance with recommended practice (refer to practice note Z5, Concrete Institute of Australia)
- Finishing must include screeding followed by float or trowel finish to achieve a compacted and sealed surface.
- Curing must be carried out (refer Recommended Practice Note Z9, Concrete Institute of Australia) or alternatively with a curing compound, which meets the requirements of AS3799.

#### **FIELD QUALITY CONTROL:**

**Spraying technique, compaction, attention to clean up of rebound and overspray, as well as finishing and curing are aspects of shotcrete placement that can impact on waterproofing quality. Supervision for conformance to recommended practice and completion of QA records is recommended.**

**The finished Shotcrete shall be examined for structural defects, such as faulty construction joints, voids, honeycombing and cracks and any such defects are to be repaired in accordance with the manufacturers directions.**

Standard requirements for Waterstops in all construction joints and treatments for Expansion Joints (if any) must be considered by the design engineer, to achieve total waterproofing.