

CHEMICAL ADMIXTURE

Water Reducing and Accelerating Type

TECHNOBUILD SPQ

TECHNOBUILD SPQ is a polycarboxylate based high range water-reducer with formulated proprietary accelerators to achieve very high early stripping strengths for precast/prestressed concrete. TECHNOBUILD SPQ produces flowable and self-consolidating concrete at low doses and can obtain up to 30% water reduction. TECHNOBUILD SPQ does not contain added chlorides and will not promote corrosion in steel. TECHNOBUILD SPQ is compatible with air- entraining agents, microsilica, and many other admixtures; however, each material should be added to the concrete separately.

Benefits

- Produces low water content and low water/cement ratio concrete allowing higher strengths
- Produces flowing concrete with accelerated stripping strengths
- Aids in concrete placement and reduces labour cost
- In precast work with Type I and Type III cements, TECHNOBUILD SPQ will produce very high early strengths

Applications

- High performance concrete
- Negative slump concrete
- Heavily reinforced concrete
- High early strength concrete
- Precast/prestressed concrete
- High slump, flowable concrete

Water Reducing and Accelerating Type

TECHNOBUILD ACN80E

TECHNOBUILD ACN80E is an accelerating and water reducing admixture for concrete that does not contain calcium chloride. It improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improved workability and decreased bleeding and segregation. This admixture is compatible with air-entraining admixtures, HRWR admixtures (super plasticizers), and conventional water reducing admixtures. TECHNOBUILD ACN80E is effective at all temperatures but is particularly effective above 10°C.

Benefits

- Reduces initial set 1 to 4 hours depending on concrete temperatures
- Improves workability and provides denser concrete
- Minimizes bleeding and segregation
- Improves compressive strength development at early ages
- Decreases overtime allowing earlier finishing
- Increases protection for reinforcement in concrete

Applications

- Cold weather concreting
- Structural and plain concrete
- Concrete block and mortar
- Precast and post tensioned concrete