

Product Information



PICO FLA ADDIVA

(Fly Ash Hydration Promoter)

DESCRIPTION :

PICO FLA ADDIVA is a composite chemical based entirely on inorganic blended compound which accelerates dissolution of glassy phase of both low calcium and high calcium Flyash in solution to react with lime to generate secondary C-S-H (Calcium Silicate Hydrate) crystals for development of early strength in Pozzolona blended cementitious binders. From 24 hrs the strength development is noticeable and it steadily increases as the concrete/mortar ages; without retrogression of long age mechanical strength and durability of mortar or concrete.

MECHANISM OF HYDRATION OF FLY ASH BLENDED CEMENT :

The hydraulic setting properties cum development of mechanical strength in Fly ash-lime / Fly ash-cement clinker depends on extent of replacement of cement by Fly ash; lime and carbonaceous matter content of fly ash, Blaine fineness of composite cement. Fly ash reacts with lime released by primary hydration of cement. The kinetic of this hydration reaction is slow and can be made faster either by steam curing or chemical activation. PICO FLA ADDIVA is a chemical activator and energy saving additive to enhance the strength of Fly ash concrete / mortar. Technically, it catalyses hydration of cement - Fly ash composite at ordinary temperature.

APPLICATION :

- ❖ Production of high strength Portland Pozzolona Cement (PPC) concrete and mortar.
- ❖ Up to 70% cement replacement can be made without sacrificing desired strength.
- ❖ Aerated fly ash concrete, Cellular & Foam concrete Production without thermal energy or reduction of heat cycle time with quick release of mould and form work members.
- ❖ Rapid hardening fly ash jointing mortar and plaster.
- ❖ Production of fly ash brick and shape with reduced recycling time of mould.
- ❖ Solidification of Pozzolona waste with lime for reducing pollution through waste utilization process.

A trusted name in Construction Chemicals