



ACTIVA

Slag and Pozzolona Cement Activator

DESCRIPTION

ACTIVA is a specially formulated additive based on inorganic compounds, which speed up the partial dissolution of the glassy phase of Blast Furnace Slag / Fly Ash in the mixing water and to the precipitation of calcium hydrate, hydrated aluminates or silica aluminates.

USES

ACTIVA catalyses the speed of hardening of the blended cement (Portland Slag or Portland Pozzolona) by increasing the early strength of concrete and mortar, helps additions of more slag or fly ash into the blend with clinker, while retaining the early age strengths (1, 3 and 7 days) at a higher level, compared to other blends which do not contain ACTIVA. A strength gain of 30% - 40% is achieved at an early age, without retrogression of 28 days compressive strength.

ADVANTAGES

- ◆ High early strength of PSC and PPC concrete.
- ◆ Accelerates setting & strength gain of Portland Pozzolona Cements at low ambient temperatures.
- ◆ No retrogression of long age strength.
- ◆ Low alkali incorporation.
- ◆ Early stripping of formwork.
- ◆ ACTIVA can be directly added to concrete mixes at site or in a RMC Plant.
- ◆ Low dosages.

PROPERTIES

Form	::	Powder
Colour	::	Off white to dark grey
Bulk Density	::	850 ± 50 kg/m ³
Chloride Content	::	Nil

COMPATIBILITY

With all kinds of Slag and Pozzolona Cements.

DOSAGE

Normally 0.5% to 2% by weight of PSC or PPC, depending on grinding fineness (blaine), glass content of Pozzolona, concreting temperature, curing modality, tri-calcium silicate content of the clinker, etc. The optimum dosage has to be arrived by field trials or plant scale trials, or at the laboratory under simulated site conditions.

PACKAGING

25 kg .HDPE Bag.

EXPECTED STORAGE LIFE

6 months in unopened condition.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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