

BC Plast 505

High performance super plasticizing concrete admixture for high waterreduction and prolonged slump retention

Description

BC Plast 505 is an admixture especially de-signed for concrete mixes which require high water re-duction, increased strengths and prolonged slump maintenance. It is based on Sika's polycarboxylate technology.

Uses

BC Plast 505 is especially suitable for production of mixes with demands for prolonged slump main-tenance, as well as improved rheological characteristics.

BC Plast 505 is used mainly for the following applications:

Any concrete transportation under hot/cold climatic conditions for prolonged period and with demand forworkability maintenance

High quality Site batched/ Ready Mix concrete

Production of concrete mixes adjusted to the special demands of the timetable of the project regarding casting phases

Production of concrete mixes with high water reduc-tion

For qualitative, high demand projects

For high durability concrete



Characteristics / advantages

BC Plast 505 works based on a combination of electrostatic adsorption and steric repulsion effects. Thus, solid particles can be effectively dispersed and a high level of fluidity can be reached with less water. As a result, BC Plast 505 can provide higher work-ability time and stability than conventional dispers- ants. With its use we have the following advantages:

Concrete production with high initial slump category
High concrete flowability and prolonged mainten-ance of it
Workability maintenance, but without this imposingany negative effects on strength
development
Constant slump flow and smoothness of the con-crete for a prolonged period of time
Easiness in handling, placing and vibrating concrete
Concrete production with high density and reducedwater permeability
Reduced shrinkage and creep
Constructions with high aesthetical appearance and prolonged durability
BC Plast 505 does not contain chlorides and is therefore suitable for prestressed and reinforced
concrete

Product Information

Chemical base	Aqueous solution of polycarboxylate polymers
Packaging	IBC, 210 kg drums, 20 kg containers. Bulk supply on demand.
Appearance / Colour	Liquid, light brown



Shelf life	8 months from date of production
Storage conditions packaging, in dry	Store properly in undamaged, unopened, original sealed
1 0 0,	conditions at temperatures between +5°C and +35°C.
	Protect from direct sunlight and frost.
Density	$\sim 1.06 \text{ kg/I (at +200C)}$
pH-Value	3.5 - 5.5 (at $+200$ C)
Total Chloride Ion Conte	· · · · · · · · · · · · · · · · · · ·
Technical Information	
Concreting Guidance production as	
	The standard rules of good concreting practice, concerning
Concreting Guidance production as	The standard rules of good concreting practice, concerning well as placing, are to be followed. Refer to relevant
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