

Polycarboxylate Based, Self-Compacting & Self-Consolidating Additive for Precast

PRODUCT DESCRIPTION

INKA-BSC/PB is a polycarboxylic ether based admixture designed for high performance concrete, giving extra high water reduction, plasticizing and workability properties together with improved strengths.

AREAS OF USE

INKA-BSC/PB is generally used;

- in the production of self-compacting and self-consolidating concrete,
- to provide a productive working environment for the ready mix concrete plants and precast concrete industries and to achieve high strengths with improved workability and reduced w/c ratios.

INKA-BSC/PB is especially used;

- to allow pumping over long distances
- to produce sound, voidless and durable surfaces with improved abrasion resistance (such as airports, industrial surfaces etc)
- in production of bridges and viaducts,
- in production of high performance precast and prestressed concrete by reducing significant amount of water.

TECHNICAL DATA

- **Appearance:** Translucent brown liquid
- **Density (@20°C):** 1,09 ± 0,02 kg/lt -ISO 758
- **pH:** 4,0 - 8,0
- **Total Chloride Ion Content:** max. 0,1 -EN 480-10
- **Equivalent Sodium Oxide as Na₂O%:** max. 5% -EN 480-12
- **Storage:** 12 months when kept unopened and away from freezing temperatures
- **Packaging:** 30 kg PE bins and 200 kg steel/PE barrels & in bulk
- **Standard:**



TSE EN 934-2 / 10.04.2013

High range water reducing / super plasticizer
concrete admixture
EN 934-2: T. 3.1 / 3.2 (BSC/PB)

DOSAGE

INKA- BSC/PB is used 0,2 to 2% by weight of binder.
Optimum dosage should be assessed after on site trials.

APPLICATION

The water of the fresh mix is reduced by 30 to 50% depending on the dosage of **INKA- BSC/PB**.

In order to achieve the best flowing effect and to prevent the admixture from being absorbed by dry aggregate, 70% of the mixing water should be added into the mix first.

The rest of the mixing water together with the admixture should then be added into the mix. (2- 3 minutes later)

ATTENTION

- **BSC/PB** is mainly designed for high performance concrete therefore it should not be used in concrete with low binder content. Best results are achieved with binder content of no less than 350 kg per m³.
- Before actual field use, laboratory and field tests should be carried out. Should there be a change in cement type or composition and/or a change in aggregate type or source, additional tests must be carried out for admixture compatibility. Our Q.A has to be informed in such a case for the necessary product upgrades.

HEALTH & SAFETY

- Protective gloves, goggles and clothing should be worn.
- Wash skin and eyes with plenty of water if contact occurs and seek medical attention if necessary.
- Do not eat or drink near the product and do not use contaminated hands when drinking and eating.

TECHNICAL SERVICES

Our technical support team is ready to answer all your questions concerning our product line.

For additional information, please contact our headquarters. Material Safety Data Sheet of this product can be obtained from info@inka.com or from our regional sales representatives.

