

## Polycarboxylate Based Superplasticiser, High Range Water Reducing Admixture

### PRODUCT DESCRIPTION

**INKA-BSC/900** is a new generation modified polycarboxylic ether based admixture designed for producing high performance concrete with reduced w/c ratios enabling extra workability and slump retention.

### AREAS OF USE

**INKA-BSC/900** is generally used

- in the production of ready mix concrete,
- for producing high performance concrete above class C25,
- in the production of self-compacting and self-consolidating concrete,
- in the production of waterproof concrete with increased compactness,
- in the production of columns, slabs and beams with intensive/detailed reinforcement,
- in the production of slump retaining concrete at hot climates,
- to provide a productive working environment for the ready mix concrete plants who can achieve high strengths with improved workability and reduced w/c ratios.

**INKA-BSC/900** 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 high performance concrete by reducing significant amounts of water over a wide range of dosage options.

### TECHNICAL DATA

- **Appearance:** Brown liquid
- **Density (@20°C):** 1,07 ± 0,02 kg/lt -ISO 758
- **pH:** 4,0 - 7,0
- **Total Chloride Ion Content:** max. 0,1 -EN 480-10
- **Equivalent Sodium Oxide as Na<sub>2</sub>O%:** 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

TS EN 934-2 T. 3.1, 3.2 (BSC/900-VP01)

• **Complies with:**

TS EN 934-2 T.11.1, 11.2 (BSC/900-VP05)

### ADVANTAGES

- Gives extra high initial strength thanks to the significant amount of water reduction in mixing water,
- Provides perfect slump retention at hot climates,
- increases frost resistance at cold weather conditions,
- Eliminates the need to use vibrators in both self compacting concrete and high flow concrete designs.

### DOSAGE

For free flowing concrete and concrete in plastic state, **INKA-BSC/900** is used in between 0,8 to 1,6% by weight of binder.

Optimum dosage should be assessed after on site trials as results can vary according to the cement type and the amount of cement used in the mix.

### APPLICATION

The water of the fresh mix is reduced by 20 to 40% depending on the dosage of **INKA-BSC/900**.

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/900** 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 m<sup>3</sup>.
- 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](http://info@inka.com) or from our regional sales representatives.

