



Very
High
Durability
Reinforced
Concretes



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

Tecnos® *azur* CB / AB1

POLYCARBOXYLATE SUPERPLASTICIZER FOR SPECIAL CONCRETES, FOR SELF-COMPACTING CONCRETE, RHEODYNAMIC, WITH EXCEPTIONAL STABILITY OF WORKABILITY EVEN WITH VERY LOW WATER/CEMENT RATIO

**CE approved – Certificate n. 1305 - CPD - 0017
EN 934-2 T3.1/T3.2**

Description Tecnos® *azur* CB/AB1 is a super plasticizer of the latest generation, based on acrylic polymers for concrete with very high rheologic performance, exceptional physical-mechanical properties, and durability.

Advantages and characteristics Tecnos® *azur* CB/AB1 contributes to following advantages:

- Very high and consistent fluidity in self-compacting concretes SCC (example: slump 26 cm- flow 70 cm) with very low water/cement ration (example: w/c 0.30) and with exceptional stability of the workability time (90-120 minutes).
- Rheodynamic rheology especially in Mix Designs with **MICROBETON® POZ/H** or with **MICROBETON® POZ/HZ** allows the pumping of the concrete over a long distance or high, and the penetration and compaction in closed sections with fitted steel reinforcement.
- Absence of bleeding and segregation
- Allows concrete with very high mechanical resistance in short period (example: 50 MPa at 24 hours)
- Allows to produce concrete with very high final mechanical strengths (example : up to 100 MPa in special Mix Designs)
- Formulated in combination with **SHRINKO-tec® nano** to reduce the hygrometric shrinkage with 50% or more.
- Formulated in combination with **SHRINKO-tec® nano** and **CEMEX** to reduce the hygrometric shrinkage < 0,02%.
- In balanced Mix Designs, concrete specified according the predetermined exposure classes in European Standard UNI-EN 206 can be formulated with exceptional technological, economic, qualitative advantages.

Fields of use For special concretes, produces in ready-mix plant, even with transportation over considerable distances, maintains the workability according the projected water/cement ratio. For self-compacting concretes, even with very low water/cement ratio, allows very high mechanical resistances.

Method of use For maximal efficiency, do not add to dry aggregates, but to aggregates saturated with water. Add the additive during mixing into the mixer or concrete truck together with the water, needed to prepare the concrete.

Dosage 0,6 ÷ 2.5 % on the cement weight

Packaging Bulk truck
Drum of 220 Kg
IBC of 1000 Kg

Specifications Tecnos® *azur* CB/AB1 meets the essential requirements according to EN 934-2 Normative, Classification T3.1/T3.2 according to CE marking for Concrete Admixtures.
Our **UAPP** office '*assistance and promotion in projects*' is at the service of project engineers, concrete producers, and to the contractor for all necessary assistance.



Very
High
Durability
Reinforced
Concretes



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

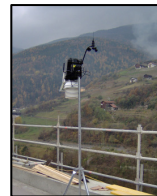
Storage The product can be kept for minimum 1 year when stored in a dry place, in the closed original packaging, at temperatures between +1 °C and +35 °C.

In the case of risk of freezing, keep the product in a acclimatised area. Heat the drums with a serpentine heating system in case of very low temperature.

Recommendation: As for all the products based on polycarboxylates, and when the product is stored for a considerable period, the material tends to separate (fasten in case the temperature is higher), with at the surface the homogenizing agents and anti-foam, contained in the formula. It is strongly recommended to homogenise the product using an air driven 'bubbling device'. Consult our Technical Department for more information or for installation of a tank with pre-installed device.

Safety indications Read carefully the safety indications on the packaging, or consult the relevant safety data sheet of this product.

WITH OUR ENGINEERS AND OUR MOBILE LABORATORIES "from project to jobsite"



The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below.

Edition: 11/2007

Revision date: 12/2011

Nr. rev.: 2

TECNOS® azur CB/AB1

Page 2/2

TECNOCHEM ITALIANA S.p.A.
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,
TEL. **39 035 55.48.11 – TELEFAX **39 035 55.48.16
E-mail: info@tecnochem.it - www.tecnochem.it