



Very
High
Durability
Reinforced
Concretes



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

Tecnos® azur SP1/i

POLYCARBOXYLATE SUPERPLASTICIZER FOR READY-MIX CONCRETE FOR APPLICATIONS IN COLD SEASONS

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

Description TECNOS® azur SP1/i is a super plasticizer of the 4th generation, with high efficiency, formulated for use in concrete ready-mix plants, with the specific advantage to have optimal performance and efficiency in cold temperatures (+5 °C ÷ 10 °C).

Advantages and characteristics TECNOS® azur SP1/i allows, in cold climates, the transport of concrete for 1 hour and more, without reducing the workability. The fast progression of the hardening of the concrete allows optimal mechanical resistances already after short curing periods.

The reduction of mixing water allows:

- exceptional mechanical resistance values
- a reduction of cement maintaining or even improving mechanical resistances
- better stability of the workability in the time and with optimal durability referring to the several predetermined exposition classes according to the European Standard EN 206.
- better volumetric stability, lower shrinkage
- reduction of cost per m³ concrete.

Fields of use For ready-mix concrete in the concrete mixing plants especially for applications in cold climates giving optimal mechanical resistances already after short curing periods.

Is suited to make all necessary Mix Designs for each class of exposition, foreseen in the European Standard EN 206 with exceptional technical, economical, qualitative advantages.

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 ÷ 1,5 % in volume on the cement weight

Packaging Bulk truck
Can of 20 Kg
Drum of 220 Kg
IBC of 1100 Kg



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Remark **TECNOS® azur SP1/i** meets the requirements contained in the Standard EN 934-2 prospect T3.1/T3.2 and has obtained the CE mark for concrete admixtures. The product is not compatible with super plasticizers based on naphthalene.

TECNOS® azur SP1/i is compatible with the air entrainer Xarlon M-260 (about 0,5 kg/m³ required) to produce a concrete better resistant against frost and thawing.

Consult our Technical Service team for assistance in special Mix Designs.

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.

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 remarks Consult the safety datasheet or read carefully the safety instructions on the packaging.

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage. Technical characteristic in this technical data sheet are up-to-dated periodically .Revision date of this technical data sheet is indicated below.

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TECNOS® azur SP 1/i
Pag 2/2