



Very  
High  
Durability  
Reinforced  
Concretes



Certified Quality System since **FEBRUARY 1993**

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## Tecnos® azur SP 1/ms

### POLYCARBOXYLATE SUPERPLASTICIZER FOR READY-MIX CONCRETE FOR APPLICATIONS IN MIDDLE SEASONS

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

**Description** TECNOS® azur SP1/ms is a super plasticizer of the 4<sup>th</sup> generation, with high efficiency, formulated for use in concrete ready-mix plants, with the specific advantage to have optimal performance and efficiency in middle temperatures.

**Advantages and characteristics** TECNOS® azur SP1/ms allows, in mild climates, the transport of concrete for 1 hour or more, without reducing the workability. The 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 Norm EN 206.
- better volumetric stability, lower shrinkage
- reduction of cost per m<sup>3</sup> concrete.

**Fields of use** For ready-mix concrete in the concrete mixing plants especially for applications in mild climates, maintaining the workability ( or consistency class) even after transportation over considerable distance. However it gives optimal mechanical resistances even after short curing periods.

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

**Method of use** For maximal efficiency, do not add dry aggregates, but 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 1000 Kg



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**Specifications** *TECNOS® azur SP1/ms 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.*

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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Nr. Rev. 2

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