



Very  
High  
Durability  
Reinforced  
Concretes



Certified Quality System since **FEBRUARY 1993**

**From Project to Jobsite**

## Tecnos® azur PF 2000

### POLYCARBOXYLATE SUPERPLASTICIZER FOR PREFABRICATED CONCRETE AND FOR CONCRETE STUDIED FOR FAST REMOVAL OF FORMS

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

**Description** TECNOS® azur PF 2000 is a polycarboxylate superplasticizer of the IV<sup>th</sup> generation, with very high efficiency, especially formulated for use in prefabricated concrete, specifically **with room temperature >5°C also without steam**. Allows the acceleration of the cement hydration reactions with increase of strengths at early ages.

**Advantages and characteristics**

- Allows rapid movement of artefacts in prefabrication and rapid demoulding in the jobsite.
- Allows obtaining concrete with plastic workability, fluid and self-compacting with very low water/cement ratio.
- With well calibrated Mix Designs, allows optimal durability according to the different exposure classes specified in the European Standard EN 206, better volumetric stability, reduced shrinkage, and reduced costs per m<sup>3</sup>.
- The maximum reduction in drying shrinkage is obtained in combination with the additive **SHRINKOtec® nano 3 / nano 4** (see Data Sheet).
- With properly calibrated Mix Designs, concrete with **Shrinkage Zero** can be obtained (consult the engineers of our Project Promotion Assistance Office UAPP).

Optimal combinations with microsilica **Microbeton® POZ** and **Microbeton® POZ/H** for preparation of super-concretes, and with **SCC VISCO** for rheo-dynamic concretes.

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

**Dosage** 0,5 ÷ 1,5 % in volume on the cement weight. Higher dosages for Self Compacting Concretes.

**Packaging** Bulk in truck  
Drum of 220 Kg  
IBC of 1000 Kg

**Technical Characteristics**

Appearance:	liquid
Colour:	amber
Density:	1.040÷1.073 g/ml at 20°C



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**Specifications** TECNOS® azur PF 2000 meets the requirements contained in the Standard EN 934-2 prospect T3.1/T3.2 and has obtained the CE Marking for concrete admixtures. The product is not compatible with superplasticizers based on naphthalene.

**Storage** The product can be kept for at least 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 Material Safety Datasheet or read carefully the safety instructions on the packaging.

### WITH OUR ENGINEERS AND MOBILE LABORATORIES "from Project to Job-site"



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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