Very High Durability Reinforced Concretes

From Project to Jobsite

Tecnos® azur CB/S33

POLYCARBOXYLATE BASED SUPER PLASTICIZER FOR READY-MIX CONCRETE

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

Description
Tecnos® azur CB/S33 is a super plasticizer of the IV generation, particularly formulated according the requirements of Ready Mix Plants.

Advantages and characteristics
Tecnos® azur CB/S33 allows 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 quantity of mixing water (20 ÷ 30 %, same workability) allows exceptional mechanical resistance values (+30 ÷ 40 %) or allows a reduction in cement content for equal or better resistances (100 Kg/m³ or more). The concrete will show better stability of the workability in the time and with optimal durability referring to the several predetermined classes of exposure in the European Standard EN 206, better volumetric stability, lower shrinkage and reduction of cost per m³ concrete.

Indicated use
For ready-mix concrete, prepared in the concrete plant, maintaining the workability (or consistency class) even after transport of considerable distance. It is suited for Mix Designs for every exposition class as foreseen in the European Standard EN 206 with exceptional technological, economical advantages as well as qualitative, and durability.

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.

Specific weight
1,095 ±0,030 kg/l

Dosage
0,8 ÷ 1,8 % referring to the cement weight

Packaging
Bulk tank
Cans of 5 Kg and of 20 Kg
Drums of 220 Kg
IBC of 1000 Kg

Specifications
Tecnos® azur CB/S33 corresponds to the requirements contained in norm EN 934-2 prospect T3.1/T3.2 and has obtained the related mark for concrete admixtures. The product is NOT compatible with super plasticizers based on naphthalene. For all necessary assistance on special mix designs, consult our Technical Office.
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: like 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 indication  Consult the Material Safety Datasheet or read carefully the safety instructions on the packaging.