

TECHNICAL DATA SHEET

Toplast[®] Super

Toplast[®] Super is a synthetic polymer based, liquid admixture with remarkable superplasticising properties.

Fields of applications

The addition of Toplast[®] Super to ready mix concrete allows easy casting and long workability retention. The use of Toplast[®] Super also enables casting in hot climates. Toplast[®] Super can, either decrease water/cement ratio. Is used for preparing the following types of concrete:

- High performance ready mix concrete
- Pumped concrete
- Casting of large structures even it highly reinforced
- Concrete reinforced with fibers
- Casting in warm climates
- Concrete containing fly-ash

Properties

- Workability is increased and maintained without affecting mechanical early strengths
- increased durability and water tightness of the concrete due to a less porous mix
- improved mechanical strengths at all ages
- Reduction in shrinking phenomena
- reduced quantity of concrete than the mix without the admixtures for same mechanical properties.

Technical characteristics

Colour: Dark brown

Density: 1.16-1.19 g/cm³

PH: 9,5

Appearance: Liquid. It does not contain chloride ions or other corrosive substances.

Instructions for use

Toplast[®] Super may be added directly to the concrete mix either in the form provided or diluted in the mixing water. 5-10 minutes of stirring are required for a uniform mixture.

Dosage

The common dosage levels range between 0.7% - 1,5% on cement weight, depending on the nature of the solid components of concrete, on cement type and on the actual purpose of using the product.

Notes

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX[®] SA. It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX[®] SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

Excessive dosage may result in prolonged setting time, without any effect on the mechanical properties of concrete.

Packing

5kg, 20kg plastic containers

Storage stability

Unlimited when the product is kept unopened in its original container, protected from frost. In case the product freezes, it reverses to its original state and retains its properties, when heated back to 20 °C under stirring.