



Very
High
Durability
Reinforced
Concretes

From Project to Jobsite



Certified Quality System since **FEBRUARY 1993**

MICROBETON® POZ / HZ

ADDITIVE BASED ON MICRO-SILICA AND MICRO-SILICATES WITH VERY HIGH POZZOLANIC REACTIVITY, RHEODYNAMIC AND AS A FILLER

Description and advantages Powder additive with very high pozzolanic reactivity; used together with admixtures (in particular **poly-carboxylates** of Tecnos® **azur** range) allows to obtain micro-concretes or concrete with fluid consistency or very fluid (SCC) or with **RHEODYNAMIC** and **AS A FILLER** rheology and in particular for pumping at a great distance and/or height together with very high physical-mechanical characteristics (Rck possible up to 85 MPa and more). Contributes to the reduction of shrinkage of the concrete.

Indications of use Self-compacting concrete, grouts and concretes with high physical-mechanical resistance, and resistance environmental aggression, even extreme; concretes to pour or pump in formwork, or in confined areas. For highly stressed structures, for the underwater casting, for repairs of concrete heavily damaged by the attack of sulphates and/or chlorides, for waterproof and compact concrete, concretes which are not washed out by soft water as the lime from the cement hydrolysis is fixed by the reactivity of the micro-silica contained in MICROBETON® POZ/HZ with the formation of insoluble silicates.

Dosage 30 ÷ 145 Kg/m³

Method of use Add MICROBETON® POZ/HZ in the mixer or truck mixer together with cement. The dosage is variable according to the purpose and use of the particular Mix Design. The product shall be used in combination with appropriate dose of super-plasticizer (recommended poly-carboxylates Tecnos® **azur** range).

Our Office Assistance and Promotion of Projects is available to the designer and ready-mix company for required assistance.

Technical characteristics

Aspect	Grey Powder
Use	Reactive Micro-silica / silicates to be used in combination with cement and super-plasticizers for durable concrete , special concretes, SCC
Humidity	none
Dosage	30-145 Kg/m ³
Free lime	< 0,2%
SO ₃ total	< 1,2%
Sulphides	< 0,6%
Chlorides	< 0,02%
Na ₂ equivalent	< 1,0%

Packaging In bulk carrier, or bigbags of 800 Kg.,

Storage The product can be kept for at least one year if stored in a dry place in original closed packaging.

Safety Informations Read carefully all instructions on the packaging and eventually also consult the Material Safety Datasheet of the product.

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.

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