DESCRIPTION OF THE PRODUCT
Dynamon XTend W503 R is a liquid admixture for high quality concrete, formulated to make concrete with a low water/cement ratio and a good workability retention.

WHERE TO USE
Due to its special, innovative formulation, Dynamon XTend W503 R is an efficient agent used to disperse cement particles, so that the amount of water required for mixing is considerably reduced. Compared to a reference concrete, Dynamon XTend W503 R allows to reduce mixing water more than 20% and to achieve good workability retention in case of long transport and prolonged descharged phase of the jobsite. Dynamon XTend W503 R is particularly suitable for:

• the production of high quality, ready-mixed concrete which complies with the prescriptions contained in the standards for concrete;

• the production of concrete with high and very high strength and with a consistency class of S4–S5 and SCC (Self-Compacting Concrete).

TECHNICAL CHARACTERISTICS
Dynamon XTend W503 R is a water solution with modified acrylic polymers. Dynamon XTend W503 R can be used when designing the mix. The plasticising capacity of the admixture allows to produce technically and economically high-performance concrete. Dynamon XTend W503 R is particularly advantageous when used in concrete with a resistance class of at least C25/30.

COMPATIBILITY WITH OTHER PRODUCTS
Dynamon XTend W503 R is compatible with other admixtures used to produce high quality concrete, especially the following:

• products of the Mapefast range, hardening accelerating admixtures for reaching very high mechanical strengths at early age, including cold climates;

• products of the Mapeair range, air-entraining agents, to produce concrete that is resistant to freeze/thaw cycles;

• Mapeplast SF and Mapeplast PZ300 micronised, pozzolan-based powdered admixtures used in the production of top quality concrete;

• Expancrete and Mapecure SRA 25 expansive and shrinkage-reducing admixture, to produce shrinkage compensating concrete or shrinkage-free concrete;

• form-released agents of the DMA and of the Mapeform Eco ranges, for releasing concrete from formworks;

• products of the Mapecure range, curing emulsions to protect form-released concrete structures from rapid water evaporation.

CONSUMPTION
Dosage by volume: from 0.5 l to 1.5 l per 100 kg of cement.
PACKAGING
Supplied in bulk quantities, in 200 l drums and 1,000 l tanks.

STORAGE
Dynamon XTend W503 R may be stored for 12 months in sealed containers, protected from frost. If exposed to direct sunlight, the colour of the product may change, without affecting its performance characteristics.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Dynamon XTend W503 R is not considered dangerous according to the current regulations regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING
Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

LEGAL NOTICE
The contents of this Technical Data Sheet (“TDS”) may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.
The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com