

/ Description

New generation super-fluidifying additive based on modified polycarboxylates, particularly recommended for specific for screeds, lowered screeds, ready-mix concrete and civil construction sites. It is intended to create a strong reduction of water (> 20 %) and/or an increase in the workability of concrete. It allows to make concrete with a long workability retention without counterproductive setting delays.

Its use is particularly indicated for realization durable works in relation to the prescriptions and exposure classes required by the UNI EN 206 standard



/ Conformity

In accordance with UNI EN 934-2:2012 and UNI EN 934-3:2012.

/ Instructions for use

It is possible to add the additive together with the mixing water or directly to the already mixed concrete with 80 - 90% of the mixing water. Mixing times are compatible with the mixers usually installed at the prefabrication plants.

/ Field of employment

- All type of cement (in accordance with UNI EN 197/1 Norm)
- Long workability concretes
- Ready-mix concrete
- High performance concrete
- Plastic or fluid concretes
- Concrete for paving in hot climates.

/ Doses

The recommended dosage range is between 0.8 and 1.2% on the weight of the cement in relation to the desired workability. Higher dosages allow the production of superfluid concrete with very high mechanical strength with a / c ratios lower than 0.4. In case of SCC concrete, the dosages indicated above must be related to the quantity of powders (cement, fly ash or filler, passing through the sieve aggregates 0.125 mm).

The maximum effectiveness of the additive is determined after on-site tests, taking into account the rheological characteristics and the mechanical strength required for the concrete.

/ Characteristics

Appearance:	liquid
Colour:	colour amber
Effective component:	polycarboxylate ether
Miscibility:	in water, in all relation
Density at 20 °C:	1,04 ± 0,02 g/cm ³
pH at 20 °C:	7,0 ± 0,5
Dry leftover:	15 ± 0,5 %
Chloride content:	< 0,10 %
Equivalent alkali content:	< 3 %
Operating temperature:	from +1 °C

/ Storage

Store away from frost and strong sunlight. In case of frost, the product will maintain its properties unaltered. Effective agitation is necessary until a totally homogeneous product is obtained.

Duration of the product: 9 months (to be intended from the date of opening of the package).

/ Packages

10 kg plastic tanks.