



Rev 0
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UNICUM 57 E

New generation superplasticizer additive, high efficiency water reducer for high quality prefabricated concrete



DESCRIPTION

UNICUM 57 E is made up of high quality poly-carboxylic polymers. Thanks to its dispersing action, its characteristics and the good synergy of its components, it gives the concrete a very high reduction in the w/c ratio, making it possible to make superfluid concretes with high resistance to short and long curing times.

The product is particularly suitable for prefabrication for summer climates and in any case where a high maintenance of workability is required.

FEATURES

Chloride-free UNICUM 57 E is widely used in all works with strong reinforcements where it is essential to have a superfluid concrete with a very low w/c ratio, homogeneous with high initial (since it accelerates cement hydration) and final strengths, as well as the achievement of excellent impermeability and great resistance to chemical aggression. This allows the preparation of superfluid re-plastic concretes and SCC (Self Compacting Concrete) rheodynamic with an excellent maintenance of workability, facilitating the preparation and implementation of concretes in inaccessible places, facilitates pumping and always improves the adhesion of the reinforcement rods. Evident decrease in hygrometric shrinkage, excellent aesthetic finish and increased durability.

ADVANTAGES

The strongly accelerating effect and the development of high resistance at short curing times reduces or allows the elimination of steam treatment time.

The use of UNICUM 57 E allows to obtain:

- extremely more workable concretes with the same w/c ratio;
- with the same workability high reduction of the w/c ratio
- easier laying and immediate response of vibrating operations;
- Reduction of bleeding and better surface finishes;
- Reduced setting times depending on external and concrete temperatures;
- Co-action of the super-plasticizing capacity of the admixture and the increased hydration rate of the cement;
- Reduced setting times.

APPLICATIONS

It is used in all types of self-levelling, high-strength concrete for structural and prestressed precast, where a high reduction in w/c ratio and extreme fluidity are required.

VALIDITY

Validity of 12 months from the date of purchase, in the original packaging tightly closed, protected from direct sunlight, between 5 and 30 ° C.





PHYSICAL PROPERTIES

Physical state	Liquid
Color	Light amber
Density	1.06 ± 0.02 g/cm ³
Ph (at 20 °C)	5 ± 1
Chlorides	absent
Limit of use	-5 °C

METHOD OF USE AND DOSAGE

UNICUM 57 E develops maximum effectiveness in terms of water reduction and concrete homogenization if added after the other components of the mix have been loaded and well mixed, and at least 80% of the mixing water has been introduced.

Dosage on cement weight	0.6 - 1.5%.
Recommended dosage	1% on cement weight

For higher dosages, please contact our technicians.

PACKAGING

25 kg plastic jerry cans
200 kg drums
1050 kg tanks
Bulk in tanker.

Special automatic dispensers can be supplied upon request.

LEGAL WARNING

The information contained in this data sheet, while representing the current state of knowledge, do not release the user from the accurate preliminary tests in their conditions of employment and exercise. We assume no responsibility for the improper use of the product.

