



Rev 0
05/19



UNICUM 57

Next-generation highly fluxing additive, high-efficiency water reducer



DESCRIPTION

UNICUM 57 being constituted by high-quality poly-carboxylic polymers, thanks to its dispersing action, its characteristics and the good synergy of its components it gives to the concrete a very high reduction of the w / c ratio allowing the realization of highly fluid concretes with a high resistance to short and long curing processes.

The product is particularly suitable for prefabrication in winter climates.

CHARACTERISTICS

UNICUM 57 is chloride-free and is widely used in all the works with heavy armor in which it is essential to have a superfluid concrete with a very low water / cement ratio, with high initial and final resistances (which will accelerate the hydration of cement) as well as an excellent impermeability and resistance to chemical attack.

This guarantees highly fluid rheoplastic concrete and the rheo dynamic SCC (Self Compacting Concrete), with an excellent workability, facilitating its packaging and installation in poorly accessible environments; facilitating also the pumping and always improving the adhesion of the irons to the armor. Noticeable decrease in the hygrometric shrinkage, excellent aesthetic finish and increased of durability.

FEATURES

The strong accelerating effect and the high resistance to short curing processes, reduces or even eliminates the duration of the steaming treatment.

Using UNICUM 57 helps obtaining:

- At equal w/c ratios, more workable concretes;
- At equal workability, a high reduction of w/c ratio;
- Easy installation and immediate reaction to vibrating operations;
- bleeding reduction and better surface finishing;
- reduction of setting times depending on the external temperatures of the concrete;
- the power of the additive highly fluxing capacity and a faster hydration of cement;
- Reduction of formwork's removal times.

APPLICATION

It is used for all types of self-leveling concrete, with high resistance, for pre-stressed and structural prefabrications, where a high reduction of the w/c ratio and an extreme fluidity is required.

VALIDITY

If kept in its sealed original container, away from sun light at a temperature between 5 and 30°C the product is valid for 12 months from date of manufacture.



PHYSICAL PROPERTIES

Appearance	liquid
Colour	light amber
Mass density	1,05 ± 0,02 g/cm ³
Ph (a 20 °c)	4,5 ± 1
Chlorides	none
Use limit	- 5 °C

TYPE OF USE AND DOSAGE

UNICUM 57 if added after all the other components are loaded and well mixed, and at least 80 % of the mixing has been introduced, offers its maximum effectiveness in terms of water reduction and homogenization of concrete.

Dosage on the weight of cement: 0,6 – 1,5% Recommended dosage: 1% wpc

For higher dosage, for special applications please contact our technical team.

PACKAGING

Plastic tanks of 25 kg
Barrel of 200 kg
IBC of 1050 kg
Bulk in IBC

Special automatic dispensers can be provided on 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.

CE

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TEKNA CHEM SPA
Via Sirtori z.i. 20838 Renate (MB)

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UNICUM 57

Concrete additive – high-efficacy water
reducer / highly fluxing agent T 3.1 / 3.2
Maximum content of chlorides 0.1%
Maximum content of alkali 0.5%

Non-dangerous substance

