



Rev 0
09/21



ACQUANO

New generation, polycarboxylic-polymers-based compound



DESCRIPTION

ACQUANO is a powder compound, which contains new generation, polycarboxylic polymers. It is specifically designed to avoid using water on the construction site, if the unloading process takes longer and concrete starts losing its consistency design features. Its main characteristic lies in the extremely high reduction of the w/c ratio and in the excellent development of strengths, at short and long curing periods.

It is the only alternative to the addition of water on the construction site.

FEATURES

Since it doesn't contain chloride, it can be used in concretes, even heavily reinforced, which are crafted at low temperatures. Thanks to ACQUANO it is possible to obtain homogeneous and bleeding-free concretes, featuring higher final performances, with an extremely low w/c ratio. This enables the crafting of rheoplastic concrete and of rheodynamic SCC (Self Compacting Concrete). It accelerates the hydration of cement and at the same time it hyper-fluidizes the concrete, in this way a significant reduction in w/c ratio is reached. ACQUANO allows you to obtain high strengths at short curing times, even at low temperatures and self-compacting concretes for precast and prestressed concretes. The w/c ratio, reduced by more than 40%, makes it possible to obtain non segregating, bleeding-free, waterproof concretes, durable at all exposure classes envisioned by UNI EN 206 and with a higher adhesion to reinforcing bars. Its highly accelerating action, together with the development of high strengths at short curing periods, reduces or enables the elimination of the steam treatment's time.

The usage of ACQUANO, as against any other non-additive concrete, allows you to obtain:

- More fluid and workable concretes, at equal w/c ratio;
- Same workability, with a reduction in w/c ratio;
- High strengths at short curing periods;
- Facilitated placing and immediate response to the vibration process;
- Concrete waterproof and better durability;
- Better surface finishings;
- Rapid hardening and reduction in the formwork removal time.

FIELD OF USE

It is suited for all types of structural, prefabricated and pre-mixed concrete, whenever a low w/c ratio is needed.

PHYSICAL FEATURES

State	powder
Colour	light grey
PH	4.0 ± 1
Chloride	none



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DIRECTIONS FOR USE

ACQUANO is mainly effective for the reduction in the amount of water. It must be added on the construction site, whenever concrete turns out being too dry, by putting it directly in the mixer truck.

DOSAGE

ACQUANO is typically dosed between 0.015-0.035% w/w referred to the weight of cement. For higher dosages, to be used for a particular scope, contact our technicians.

Before dosing, we suggest that you always check how many cubic metres of concrete are in the mixer truck.

PACKAGING

Biodegradable 250g bags, in 13 kg metal buckets.

STORAGE

The product can be kept, for at least 12 months, in its original package, in the shade, at temperatures between +5°C and +20°C.

Avoid exposure to sun, high temperatures and humidity.

DANGER CLASSIFICATION:

Slightly irritant

LEGAL NOTICE

The information contained in this technical data sheet, even though it represents the most advanced stage of knowledge, does not exempt the user from running accurate preliminary tests under their own conditions of use and operation. We therefore decline any responsibility for the improper use of the product.

