



## TECHNICAL DATA SHEET

# NOWATER

COMPOUND BASED ON POLYCARBOXYLIC POLYMERS  
OF NEXT GENERATION

### DESCRIPTION

**NOWATER** is a powder compound based on polycarboxylic polymers of next generation specific to avoid the use of water on site, if the discharge times are extended and the concrete starts to lose its design characteristics of consistency. Its main feature is the superb reduction of w / c ratio and the excellent development of resistance to short and long curing.

Is the only alternative to the addition of water on site.

### CHARACTERISTICS

Free from chlorides can be used in concretes also with strong reinforcements that are packaged at low temperatures. **NOWATER** allows to obtain concrete with a very low w / c ratio, homogeneous and without bleeding, which exhibit higher final performance. This allows for the packaging of rheoplastic concrete and rheodynamic SCC (Self Compacting Concrete). It accelerates the cement hydration and at the same time allows the hyperfluidification of concrete, allowing a significant reduction in the ratio w / c. **NOWATER** therefore it allows obtaining high strength to brief curing, even at low temperatures, and self-leveling concretes for precast and prestressed. The w/c ratio, reduced by over 40%, produces waterproof concrete without segregation and bleeding, durable to all classes of exposure provided by the UNI EN 206, with higher adherence to the reinforcing armour. The strong accelerating effect and the development of high early strength reduces or eliminates the time to steam treatment. The use of **NOWATER** compared to concrete without additive allows obtaining:

- At equal w/c ratios, more workable and fluid concretes ;
- At equal workability, a high reduction of w/c ratio;
- It guarantees higher resistances in the short term;
- Easy installation and immediate reaction to vibrating operations;
- It gives impermeability to the concrete, increasing its durability;
- better surface finishing;
- fast hardening and reduction of the formwork's removal times

### APPLICATIONS

It is used in all types of structural pre-mixed and precast concretes, requiring a reduced w/c ratio.



### PHYSICAL FEATURES

APPEARANCE..... powder  
COLOUR..... light grey  
PH..... 4,0 ± 1  
CHLORIDES..... none

### INSTRUCTIONS OF USE

**WATERNO** develops its maximum efficacy in terms of water reduction. It should be added on the construction site when concrete is too dry and introduced directly into the cement mixer.

### DOSAGE

**NOWATER** is dosed normally between 0.015 to 0.035 % w / w based on the weight of cement. For higher dosages to be used in special applications, please contact our technical team.

Recommended dosage: 0,025% wpc

Before dosing the product, we recommend always to check the cubic meters of concrete in cement mixer.

### PACKAGING

Biodegradable bags of 250g in bucket of 13 kg

### STORAGE:

If kept in its original packaging, away from light, at temperatures between 5 ° C and + 20 ° C the product will be valid for at least 12 months.

Protect from the sun, frost and high temperatures.

### HAZARD CLASSIFICATION:

Slightly irritant

### WARNING:

The above information is for information purposes only and does not imply any responsibility of TEKNA CHEM Srl. They correspond to the company experience in both the laboratory and practice.



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