

CON ADD Gold 101 S

High range water reducing & super plasticizing admixture with an excellent slump retainer suitable for non-standard aggregate.



DESCRIPTION:

CON ADD Gold 101 S is a high-range water-reducing and super-plasticizing admixture for concrete and mortar based on polycarboxylic polymers with long chains designed to enable the concrete's water content to perform more effectively.

This effect can be used in high strength, low W/C ratio, and flowable concrete mixes, to achieve the highest durability and performance in the ready-mix and precast concrete industries. It also provides a long-time slump retainer product for non-standard aggregate.

TYPICAL USES:

CON ADD Gold 101 S is suitable for the applications:

- High strength and high-performance concrete (HPC).
- Self-compacting concrete and flowing concrete.
- High levels concrete pumping.
- High durability concrete reducing concrete permeability.
- Structures with congested reinforcement.

ADVANTAGES:

- High water reduction, resulting in higher density, higher strength, and reduced permeability.
- Easier and faster pumping of concrete.
- Increased workability.
- Increased concrete durability and uniformity.
- Reduced shrinkage and cracking.
- Reduced rate of carbonation of the concrete.
- Optimizes cement utilization.
- Improves shrinkage and creep behaviors.
- Impermeable concrete through very high water reduction.
- Minimizes segregation and bleeding problems by improving cohesion.
- Increased workability levels are maintained for a longer time.
- Chloride-free, safe for use in prestressed and reinforced concrete.
- Concrete with non-standard aggregates.

TECHNICAL SPECIFICATIONS:

Composition :	A mix of a few types of modified polycarboxylates. polymer.
Appearance :	Light brownish liquid
PH value :	4.5-6.0
Specific gravity :	$1.057 \pm (0.02) \text{ g/cm}^3$

STANDARD:

CON ADD Gold 101 S
complies with BS EN934-2:1998
and ASTM C494, Type G.

APPLICATION:

Recommended dosage: (0.5 % - 1.5 %) by weight of total cementitious materials.

IMPORTANT GUIDANCE:

- The standard rules of good concreting practice, concerning production and placing, are to be followed.
- Laboratory trials shall be carried out before use on a large scale, especially when using a new mix design or producing new concrete components.
- Fresh concrete must be cured properly and the standard curing method applied, as early as possible.
- A suitable mix design has to be taken into account.
- Do not use naphthalene-based admixtures with **CON ADD Gold 101 S**
- Overdosage with excess water will cause the following: high air entrainment, bleeding, segregation, and longer initial & final setting time.

PACKAGING & STORAGE:

- **Packing:** 1000 Liter IBC.
20Kg Pail.
- **Storage:** Store under cover, out of direct sunlight and protect from extreme temperatures.
- **Shelf life:** Shelf life is up to 12 months when stored as per recommendations.

HEALTH & SAFETY:

The information, and the recommendations relating to the application and end-use of Con Techproducts, are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied under normal conditions by the given recommendation. We reserve the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies, which will be supplied on request.

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance directly.

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