



ULTRACRETE PC100

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High Performance Polycarboxylate Based Concrete Admixture, Conforming to ASTM C494 Type F and Type C

Added Value

UltraCrete PC100 provides a high performance polycarboxylate based concrete admixture which is specially designed for precast industry to get more flowable concrete (self-compact) and faster de-moulding of units and delivery to sites.

Application, Dosage, and Packing

UltraCrete PC100 Added to concrete mixing water or directly to the batch plant by dispensers

Open addition % starting from 0.5% up to 2% without any excessive retardation on concrete.

Supplied in 20, 200, and 1000 Liters plastic packs.

Product Specifications

- UltraCrete PC100 is a transparent viscous liquid.
- Specific Gravity 1.07 @ 20 degree C $\pm$ 0.03.
- PH: 9.5 - 10
- Complies all requirements of ASTM C494 Type F & C
- Does not contain any harmful material
- Valid for 1 year from the production date.



UltraCrete PC100, the product

- ✦ The precast concrete industry has been developed during the past 2 decades to provide great solutions for the variety of applications in construction industry.
- ✦ The precast industry needs an admixture which provide Extra high flowability concrete in a low water/cement ratio, and high early and ultimate strengths.
- ✦ UltraCrete PC100 provides all these criteria with an elevated performance.
- ✦ UltraCrete PC100 does not affect setting time of concrete even at high dosage reaching 2%.
- ✦ UltraCrete PC100 is an innovative solution for precast industry provide both high quality admixture and faster production of concrete units.
- ✦ Our extensive trials confirmed that the faster de-moulding of concrete precast units using UltraCrete PC100 than the traditional admixtures.
- ✦ UltraCrete PC100 is suitable for both self compacted, high performance and normal workability concrete types.



Application Fields

- Used in concrete pipe production.
- For production of underground segments.
- For the production of all types of Precast fences and walls.
- For production of precast products using self compacted concrete.
- For faster production of precast units by using steam curing techniques.
- Could be used for production of Tiles and Interlock units gray and colored.
- For production of prestressed concrete units.
- For faster loading of precast units
- **UltraCrete PC100** is a water-based materials and does not contain any harmful material for both human and environment

Components:

-Each liter of **UltraCrete PC100** contains the latest technology of high performance water reducing polycarboxylate material (Superplasticiser) that effectively reduces the mixing water up to 45 % to get the same workability for a given concrete mixture.

- Each liter also contains an innovative material that accelerates and boosting the hydration and hardening of concrete in the early hours of concrete age and also increases the ultimate strength.



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