



FLOWCRETE HP

فلو كريت إتش بي

High performance Concrete Admixture, specially designed for precast concrete, complies with all requirements of ASTM C494 Type F

Added Value

FlowCrete HP provides a high performance concrete admixture which is specially designed for precast industry to provide an economic substitution for high cost PC's based Admixtures, there is no fear of excessive retardation or other known problems since the material does not contain any retarding component.

Application, Dosage, and Packing

FlowCrete HP Added to concrete mixing water or directly to the batch plant by dispensers

Open addition % starting from 0.5% up to 3% without any excessive retardation on concrete.

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

Product Specifications

- FlowCrete HP is a brown viscous liquid.
- Specific Gravity 1.2 @ 20 degree C.
- PH: 9.5
- Complies all requirements of ASTM C494 Type F
- Does not contain any harmful material
- Valid for 2 years from the production date.



FlowCrete HP, product Features

- ✦ 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 high flowability concrete in a low water/cement ratio, and high early and ultimate strengths.
- ✦ **FlowCrete HP** provides all these criteria with an economic price.
- ✦ **FlowCrete HP** does not affect setting time of concrete even at high dosage exceeding 2%.
- ✦ **FlowCrete HP** is an innovative solution for precast industry provide both high quality admixture and economic cost per cubic meter of concrete.
- ✦ Our extensive trials confirmed that a dosage of 1.5 liters of **FlowCrete HP** equals 1 liter of most of the PC's based admixtures known in concrete admixtures market.
- ✦ **FlowCrete HP** 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 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
- **FlowCrete HP** is a water-based materials and does not contain any harmful material for both human and environment

Components:

-Each liter of **FlowCrete HP** contains a high performance water reducing 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 the hardening of concrete in early hours of concrete age and also increases the ultimate strength.



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