



# FASTBRICK

فاست بريك

High performance ,Early Strength Admixture, Complies with all requirements of ASTM C494 Type A&C

## Added Value

**FastBrick** provides a high performance concrete admixture which is specially designed for precast industry to provide an economic Type A&C admixture that is used in fast production of all cement-based casted units including fences, building panels, bricks, blocks, and paving blocks.

## Application, Dosage, and Packing

- **FastBrick** Added to cement mixture mixing water or directly to the batch plant by dispensers.
- Open addition percent starting from 0.5% up to 2% without any bad effect on concrete.
- The optimum dosage is 1% of OPC or SRC.
- Supplied in 20, 200, and 1000 Litres plastic packs.

## Product Specifications

- **FastBrick** is a brown viscous liquid.
- Specific Gravity 1.15 @ 20 degree C  $\pm$  0.02
- PH: 9.5 - 10.
- Complies all requirements of ASTM C494 Type A&C.
- Does not contain any harmful material



## FastBrick, Features:

 The precast concrete units, bricks, blocks, and paving blocks industry has been developed during the past 2 decades to provide great solutions for the variety of applications in construction industry.

 This industry needs an admixture which provide high strength units with fast production rate and efficiency of the manufacturing facilities.

 **FastBrick** provides all these criteria with an economic price.

 **FastBrick** accelerates the setting time of concrete even at low dosage reaching 0.5 % of the weight of cement.

 **FastBrick** is a dual effect additive still economic solution for precast industry provide both high quality admixture and economic cost per cubic meter of cement mixture.

 **FastBrick** is suitable for both big precast units and small machine produced bricks ,paving blocks and blocks.



### Application Fields

- Used in concrete pipe production.
- Used as a re-dose admixture in case of losing workability in ready mix concrete industry.
- 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
- **FastBrick** is a water-based materials and does not contain any harmful material for both human and environment.

### Shelf Life:

12 months in unopened packs in normal storage conditions.

## Components:

-Each liter of **FastBrick** contains a high performance, Innovative ,Superplasticiser that effectively disperse the cement flocculation which tends to agglomerate when mixed with water, enabling the mixing water efficiently to react with cement, producing the higher strength, and richer cement slurry for the semi-dry mixtures.

-The dispersion of cement particles, increases the coverage of cement slurry over the gravel particles, which improves the shape of the casted units (Bricks, Blocks, and Paving blocks)

- Each liter also contains an innovative material that accelerates the hardening of cement mixture in early hours of mixtures age after mixing with water, and boosting the early strength (1, and 3 days) and also increases the ultimate strength.

## Application Procedure

-**FastBrick** is added to the mixture by batch plant dispenser (Could be added manually), and after the mixing water is added or probably with the last third of mixing water.

-**FastBrick** is mixed well with the cement based mixture by proper timing of batch plant, and ensuring the homogeneity of the mixture before dispatch to the pressing line.



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