



**Green Build
Egypt**
Experience and Innovation

ULTRA BRICK

ألترا بريك

Additive for High Performance Interlock, Brick and Block Production, for Saving cement, and Faster Loading

Value Added

UltraBrick is a water-based product, easy to apply, very economic, enhances the cement mixtures specially designed for brick and block industry, enabling the producer of faster production and loading rates, decreasing the white collar appears on the surface of the brick and block.

Dosage and Packing

- Adding rate from 0.5 to 1 % to the weight of cement.
- **UltraBrick** is supplied in Plastic drums of 150 Lit. or special 1000 lit. tanks.
- **UltraBrick** is added to the mix with the mixing water or preferably after adding the mixing water.

Product Specifications

- **UltraBrick** is a viscous brown liquid and does not contain any lumps.
- Specific Gravity : 1.17 @ 20°C .
- PH value: 10-11
- Does not contain any harmful or poisonous materials, and water-based.
- Valid for one year from production date on the pack.



UltraBrick, Product Features:

- **UltraBrick** offers the perfect additive product for the different brick and block industry, it is designed specifically for the mix of bricks and blocks (semi-dry cement mixtures).
- It enhances the cement/ water reaction producing higher slurry content (by volume) than the traditional mixtures.
- It also boosting the early hydration of the cement producing higher early and ultimate strengths at the same cement content, or reducing the cement content to obtain the same strength and physical shape of the products.

Application Fields

- **UltraBrick** is used in the production of all types of cement based Bricks, Blocks, and hollow Blocks
- To obtain higher mechanical strengths of decorating tiles for floors and walls.
- To de-mould faster than the traditional mixtures of the special corridor units.
- Could be used for paver tiles produced by mechanical presses
- For the need of faster production and loading of the paver tiles (Interlocking tiles) both the coloured and cement colour.
- Could be used with any cement mortar and plaster mortar based on cement mixtures.
- Could be used as a plasticiser and quality enhancer for light weight cement based blocks which made of cement mixtures and foam powder.
- **UltraBrick** is a GREEN material since it is water based and does not contain any harmful material to the environment.

Contents

- Each pack of **UltraBrick** contains the highest and latest technology of plasticiser materials for cement mixtures, to obtain the maximum distribution of cement particles inside the mix enabling the mixing water to react efficiently with the cement producing higher mechanical properties and better physical shape.
- It contains also a special chemical for boosting the early and ultimate strengths enabling the producer for higher production rate and faster loading to the customers.



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