



The Chemical Company

RHEOMIX® 616

Permeability reducer and plasticiser for the production of interlocking tiles and concrete blocks

Description

RHEOMIX 616 liquid has been specifically formulated to produce early strengths and lower water absorption values for semi dry concrete mixes. RHEOMIX 616 reduces permeability and improves cohesion.

Primary uses

RHEOMIX 616's main area of application is in the precast concrete industry, specifically:

- Interlocking tiles
- Hollow blocks
- Paving slabs
- Brick production

Advantages

- RHEOMIX 616's plasticising action produces workable mixes at lower water/ cement ratios.
- Greatly reduces the penetration of water and deleterious substances thereby increasing durability.
- Improves weathering properties.
- Reduces efflorescence.
- Aids pigment distribution

Packaging

RHEOMIX 616 is available in bulk and 210ltr drums.

Compatibility

RHEOMIX 616 is compatible with all types of Portland cement. For use with special cements consult BASF's Technical Services Dept.

Do not premix RHEOMIX 616 with other admixtures unless recommended by BASF's Technical Services Dept.

Action

RHEOMIX 616 contains hydrophobic and plasticising agents which aid the even dispersion of the cement and pigments throughout the mix.

RHEOMIX 616 acts by disrupting the capillary pore continuity and thus ensures increased water tightness and resistance to frost.

Typical properties*

Colour:	Amber
Specific gravity:	1.016 – 1.026 at 20°C
pH:	12.4
Chloride content:	Nil to BS 5075 : 1982
Nitrate content:	Nil
Flashpoint:	Not applicable

Standards

BS 6717 - Part 1: 1986

Method of use

RHEOMIX 616 is ready for use and is added to the mixing water at the selected dosage rate.

Guide to application

The optimum dosage rate for RHEOMIX 616 is best assessed after preliminary site trials have been carried out. Where possible the actual aggregates and mixers should be used. As a guide an addition rate of 600ml of RHEOMIX 616 per 100kg of cement is recommended. Consult BASF's Technical Services Dept. for advice and assistance during trials.

Dosage

600ml to 1,000ml per 100kg of Portland cement.

Effects of over dosage

Overdosing of RHEOMIX 616 will result in an increase in workability and cohesion. The cured properties will generally be unaffected.

Adding Value to Concrete



The Chemical Company

RHEOMIX[®] 616

Storage

Shelf life is up to 2 years when stored in unopened original packing, protected from extremes of heat and cold and stored under shade.

Safety precautions

Avoid contact with eyes and prolonged contact with skin. During application always wear gloves and appropriate clothing to minimise contact. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Should skin contact occur, wash immediately with soap and water. Seek the advice of a physician should symptoms persist.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

05/95 BASF-ME revised 02/2004

* Properties listed are only for guidance and are not a guarantee of performance.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8851000

Fax: +971 4 8851002

www.BASF-cc.ae

e-mail: marketingcc.mideast@BASF.com



Certificate No.
963680



Certificate No.
945787



Certificate No.
772556