

# RheoFit<sup>®</sup>761

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

### Description

RheoFIT<sup>®</sup>761 liquid has been specifically formulated to produce early strengths and lower water absorption values for semi dry concrete mixes. RheoFIT<sup>®</sup>761 reduces permeability and improves cohesion.

### FIT 4 VALUE

RheoFIT<sup>®</sup>761 is a key component to BASF's FIT 4 VALUE concept.

FIT 4 VALUE considers the four elements essential for MCP Manufactures:

1. FIT for Economics
2. FIT for Performance
3. FIT for Aesthetics
4. FIT for Durability

Here, FIT means meeting every requirement for economics, performance, aesthetics and durability.

### Primary uses

RheoFIT<sup>®</sup>761's main area of application is in the precast concrete industry, specifically:

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

### Advantages

- RheoFIT<sup>®</sup>761'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

### Compatibility

RheoFIT<sup>®</sup>761 is compatible with all types of Portland cement. For use with special cements consult BASF's Technical Services Dept. Do not premix RheoFIT<sup>®</sup>761 with other admixtures unless recommended by BASF's Technical Services Dept.

### Action

RheoFIT<sup>®</sup>761 contains hydrophobic and plasticising agents which aid the even dispersion of the cement and pigments throughout the mix.

RheoFIT<sup>®</sup>761 acts by disrupting the capillary pore continuity and thus ensures increased water tightness and resistance to frost.

### Typical properties\*

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

Colour	Amber
Specific gravity	1.021 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



The Chemical Company

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## Dosage

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

## Effects of over dosage

Overdosing of RheoFIT<sup>®</sup>761 will result in an increase in workability and cohesion. The cured properties will generally be unaffected.

## Method of use

RheoFIT<sup>®</sup>761 is ready for use and is added to the mixing water at the selected dosage rate.

## Guide to application

The optimum dosage rate for RheoFIT<sup>®</sup>761 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 RheoFIT<sup>®</sup>761 per 100kg of cement is recommended. Consult BASF's Technical Services Dept. for advice and assistance during trials.

## Packaging

RheoFIT<sup>®</sup>761 is available in bulk and 200 ltr drums.

## Storage

POZZOLITH<sup>®</sup>Standard must be stored where temperatures do not drop below +5°C. If product has frozen thaw and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperatures.

## Safety precautions

POZZOLITH<sup>®</sup>Standard is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet.

## Note

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

## Quality and care

All products originating from BASF Construction Chemicals SA, are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001/2000.

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

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