

# RHEOMIX<sup>®</sup> 141

Multi-purpose admixture for cementitious systems. Waterproofs and improves mortars. Bonding agent.

## Description

RHEOMIX<sup>®</sup> 141 is a (SBR) styrene-butadiene copolymer latex specifically designed for use with cement compositions. It is used in mortar and concretes as an admixture to increase resistance to water penetration, improve abrasion resistance and durability. It is used with cement as a reliable water-resistant bonding agent.

## Primary uses

- Concrete repair.
- Floor screeds and toppings.
- External rendering.
- Waterproofing and tanking.
- Fixing slip bricks and tiles.
- Corrosion protection of steel.

## Typical applications

### Concrete repair:

Spalled concrete, repairing floors, beams and pre-cast slabs.

### Floor screeds and toppings:

Abrasion resistant and non-dusting floors, underlay for special finishes, mild chemical and effluent-resistant floors.

### External rendering:

Waterproof, weatherproof and frost resistant render.

### Waterproofing and tanking:

Basements, lift pits, inspection pits, water towers, liquid tanks, effluent tanks and swimming pools.

## Other typical applications:

Bedding tiles, fixing or re-fixing slip bricks, bonding new concrete to old.

## Advantages

- Earlier hardening.
- Improved flexibility.
- Greatly reduced shrinkage.
- Prevents bleeding.
- Lower water-cement ratio.
- Increased durability and toughness.
- High resistance to water penetration.
- Good abrasion resistance.
- Good frost resistance and resistance to salt permeation.
- Good resistance to many chemicals and to mineral oil.
- Excellent adhesion to steel and concrete. Adheres well to brick, glass, asphalt, wood, expanded polystyrene and most building materials.
- Prolonged corrosion protection.
- Proven performance.
- Similar thermal expansion and modulus properties to concrete (unlike resin mortars and primers).
- Non-toxic. Can be used with potable water.
- More economical than epoxy or polyester resin mortar.

## Packaging

RHEOMIX<sup>®</sup> 141 is supplied in 20 and 200 litre containers.

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## Dosage rate

For all normal use the standard dose of 5ltr of RHEOMIX<sup>®</sup> 141 per 50kg cement is adequate.

For extreme conditions and/or when adhesion, waterproofing, water vapour resistance or chemical resistance are critical, the dosage should be increased to 10ltr of RHEOMIX<sup>®</sup> 141 per 50kg cement. For this higher dosage, the extra water addition required is low and, therefore, use of wet aggregate may result in excessive workability.

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

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