



The Chemical Company

RHEOMAC[®] 725

Permeability reducing admixture for concrete and mortar

DESCRIPTION

RHEOMAC 725 is an integral admixture designed to reduce the rate of transmission of moisture through concrete. It does not contain chemicals that might cause undesirable side effects when used in conjunction with admixtures normally used in concrete.

RHEOMAC 725, used as an integral admixture in concrete, reacts with the cement hydration process to form a hydrophobic coating on the pore and void surfaces of concrete, which reduces the capillary suction and minimises absorption and penetration of water.

FIELDS OF APPLICATION

- most applications requiring watertight concrete such as basement walls and floors, tanks, pipes, tunnels, silos and pools
- concrete blocks and bricks
- low cement content panels and claddings
- wall and tank foundation renderings
- concrete structure where subsequent application of render, tiles or paint is required

FEATURES AND BENEFITS

Improved hydrophobic coating	Reduces permeability. Increases watertightness. Increases durability. Reduces relative absorption.
Good workability	Good finishing characteristics for slab-work and off-form surfaces.
Good cohesiveness	Reduces segregation particularly in lean mixes and high slump concrete.

TYPICAL PERFORMANCE DATA

In comparison to plain concrete, a mix containing **RHEOMAC 725** develops better watertightness of the concrete.

Curing

Like all cementitious mortars and concrete, concrete made with **RHEOMAC 725** must be protected against rapid drying due to high temperature and/or strong winds.

The use of wet burlap, plastic sheets or a curing compound is highly recommended.

APPLICATION

Dispensing

RHEOMAC 725 should be added separately to the initial batching water to ensure complete distribution throughout the mix. Use only drinkable water. Do not use sea water, bore water or water containing a high dissolved mineral content, for mixing concrete.

DOSAGE

Recommended dosage rate is 450 - 550 ml per 100 kg of cementitious materials. For a higher degree of water-repellency, use 800ml per 100kg of cement.

PACKAGING

RHEOMAC 725 is available in 205L drums.

SHELF LIFE

RHEOMAC 725 can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **RHEOMAC 725** does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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