

MasterPel[®] 05

High duty waterproofing agent for concrete

DESCRIPTION

MasterPel 05 is a high duty waterproofing admixture for concrete providing the hardened concrete with a high watertightness and excellent resistance to frost. Due to its unique combination of highly active agents, **MasterPel 05** has multi-farious effects – plasticizes fresh concrete, reduces the quantity of gauging water, improves the workability and compaction; it reduces the volume of capillary pores and improves watertightness.

It reacts with the free lime of cement and its content of swelling agents ensures a permanent blocking of the capillary pores, even against water pressure.

RECOMMENDED USES

- 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

- reduced permeability
- increased durability
- increased watertightness
- reduced relative absorption
- reduced shrinkage under typical exposed conditions of wetting/drying cycles

DISPENSING

MasterPel 05 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 making concrete.

DOSAGE

Recommended dosage rate is 300 - 500 ml per 100 kg of cement.

CURING

Like all cementitious materials, concrete made with **MasterPel 05** 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.

PACKAGING

MasterPel 05 is available in bulk and 205L drums.

SHELF LIFE

MasterPel 05 can be stored for 12 months if stored at temperatures above 0°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health: MasterPel 05 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 Master Builders Solutions 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 Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

MB Solutions Singapore Pte Ltd
1 Harbourfront Avenue #07-07/08
Keppel Bay Tower, Singapore 098632
Tel : +65 6232 4888

www.master-builders-solutions.com/en-asiapacific