MIXKOTE MKT 2

CEMENTITIOUS CRYSTALLIZATION WATERPROOFING IN CONCENTRATED FORM

DESCRIPTION

MIXKOTE MKT2 (also known as T2) is a dry, specially formulated powder containing organic chemicals, crystallization and cementitious materials to provide protection of concrete against seepages and attacks by organic chemicals. T2 is designed in a dry shake form of which can be applied onto wet concrete surface by mechanical power floating. Upon this application, T2 will become an integral part of the concrete and since it contains graded aggregates with high hardness, it can also be consumed as floor hardener to car park areas or concrete slabs subjected to heavy vehicular traffic.

ADVANTAGES

- Form as an integral part of concrete
- Highly resistant to aggressive chemicals
- Non-cracking
- Concrete is still breathable after application
- Seals crack up to 0.5 mm
- Dual functions of waterproofing and floor hardening

TECHNICAL AND PHYSICAL PROPERTIES

Property	Description
Color	Grey
Texture	Powder, 45-150 microns
Bulk Density	1.50
pH	13
Water Pressure Resistance	Up to 120 m head
Waterproofing Effectiveness	No water penetration at 12 psi
Chloride Penetration (15 mm below surface after 90 days ponding with 10% $CaCl_2 2H_2O$)	
Control Sample	0.167 %
Mixkote Treated Sample	0.009%
Toxicity	Non-toxic

USES

- Basement slabs or other car park areas
- Warehouse and store
- Foundation slabs

APPLICATION PROCEDURE

1. When the freshly laid concrete slab has reach plasticity, the concrete must be smoothen out and flatten with a vibrating straight edge.
2. When the thumb pressed hard on the surface leaves a 3-5 mm deep print, this is an indication that the concrete is ready for a low speed mechanical power float trowel held flat to float **MIXKOTE MKT2**.
3. Sprinkle **MIXKOTE MKT2** at a rate of 1.5 kg/m^2 when the fresh concrete is free of bleeding water.
4. Bay edges are likely to suffer particular heavy impact or wear shall also be sprinkled with **MIXKOTE MKT2** at a strip of 100-150 mm wide along them, steel trowel into surface.
   Access where saw-cut transverse control joints are located can be pre-treated in this manner.
5. Allow the remaining dry shake of **MIXKOTE MKT2** to be absorbed to the base slab and then power float the surface to smooth and allow to cure for three days.
6. A light mist of water may be required to allow moisture and curing of **MIXKOTE MKT2**.

TYPE
WATER PROOFING

ADVANTAGES
HIGH TENSILE
WATER RESISTANT
NON TOXIC

COVERAGE (PER COAT)
1.5 kg/m²

COATINGS
1 coat (min)

COMPONENT
1
PART

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COVERAGE

The coverage is at 1.5 kg/m^2.

CURING

A light spray of clean water is necessary for curing of **MIXKOTE MKT2**. Curing shall begin as soon as the material has set to the point where it will not be damaged by a fine spray of water.

Under normal conditions, it is enough to spray **MIXKOTE-**treated surface three times per day for two days. In hot and humid climates, spraying may be required more frequently.

PACKAGING

MIXKOTE MKT2 is available in either 25 kg bags or 25 kg pails.

STORAGE

MIXKOTE MKT2 must be stored at dry and cool place with a minimum temperature of 10 °C.

Shelf-life is one year when stored under proper conditions.

TECHNICAL SERVICES

For more instructions, alternative application methods or information concerning the compatibility of the **MIXKOTE** treatment with other products or technologies, contact the Technical Department of Chemind Industries Sdn. Bhd.

SAFE AND HEALTH HANDLING INFORMATION

MIXKOTE is an alkaline cementitious powder. The manufacturer maintains comprehensive up-to-date Material Safety Data Sheet (MSDS) on all of its products. Each sheet contains health information for the protection of your employees and client.

The manufacturer warranties that the **MIXKOTE** products are manufactured according to the best quality guidelines and they shall be free from material defects. Should the products are proven defective, the liability to **MIXKOTE** shall be limited to replacement of the product ex-factory.

The user shall determine the suitability of the product for his/her intended use and assure all risks and liability in connection herewith.

Legal Notes:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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