



MORE THAN CONCRETE



CONCRETE CURE WB

WAX BASED CONCRETE CURING COMPOUND

AVAILABLE SIZES: 5L, 20L, 210L



NON TOXIC



NON FLAMEABLE



SCAN FOR DETAILS

DESCRIPTION

CEMIX® CONCRETE CURE WATER BASED (WB) is a white, low viscosity wax emulsion which incorporates a special alkali reactive emulsion breaking system. This ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with a cementitious surface. This impervious film prevents excess water evaporation that in turn permits more efficient cement hydration thus reducing shrinkage and increasing durability. The membrane once formed is designed to degrade (via a photoinitiator in the clear formulation) when exposed to ultra violet light over a period of time dependent on conditions of exposure.

TYPICAL APPLICATION/USES

CEMIX® CONCRETE CURE WB provides a spray-on temporary membrane to retain moisture in concrete for effective curing. Used for concreting generally, but especially useful for large areas of concrete construction such as runways, motorways or bridgeworks.

ADVANTAGES

- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed areas
- Enables cement to hydrate more efficiently
- Provides hardwearing surface and prevents dusting
- No surface wetting required prior to application to vertical surfaces
- Easy application – reduces labour costs
- Non toxic and non flammable
- Eliminates the need for damp hessian, sand or polyethylene

SUBSTRATE PREPARATION

The surface should be dry and must be free from oil, grease,

loose particles, decayed matter, moss, algal growth and curing compounds. For maximum penetration, grit blasting, water blasting or some mechanical means of surface preparation is recommended. Water blasting or an acid wash should be used for the removal of moss or algal growth. Rinse off with liberal quantities of clean water and allow to dry. Protect plants, grass, asphalt, bitumen, plastics and all painted surfaces during preparation and application. Always test apply on an area first and approve look and feel.

NOTE:

Do not use CEMIX® CONCRETE CURE WB for any concrete work receiving subsequent coatings or renders. CEMIX® CONCRETE CURE WB should not be continuously re-circulated through high shear gear pumps when used in concrete train application. If continuous re-circulation is essential the sprayer should be fitted with a low shear diaphragm pump. Rate of application depends on requirements but is typically within the range 169 - 270ml/m² (6.0 - 4.0m²/l).

APPLICATION

CEMIX® CONCRETE CURE WB should be spray applied to the surface of newly placed concrete. The compound should be applied as soon as possible after the concrete is free from surface water. The nozzle of the spray should be held approximately 450mm from the concrete surface and should be passed back and forth to ensure complete coverage. The pump pressure should be maintained at a level producing a fine spray.

GOLDEN RULE

There is not a sealer suitable for all types of pavers, tiles, or other surfaces. Never apply more product than is being absorbed into the surface you are sealing. If product is pooling on the surface, brush the excess off. If you feel no product or very little product is



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being absorbed, stop and seek technical assistance. Always do a test area first to approve the look and feel before doing the entire area. Ensure there is no rising damp as this will make the sealer surface cloudy. Over application can make the surface slippery especially when wet.

CURING EFFICIENCY

Water loss 0.17kg/m² applied at 245ml/m², which is considerably more efficient than the maximum permissible water loss of 0.55kg/ m² in ASTM C309-74 and 0.39kg/m² in U.S. Federal Specification TT-C-800A. 86% when applied at 270ml/m², Modified Department of Transport Specification for Road and Bridge Works: Clause 2709.

Membrane breakdown:

After a period of approximately 28 days, the film formed on the concrete surface will begin to degrade. The rate of degradation will depend upon initial membrane thickness and the degree of exposure to ultra violet light.

VISCOSITY

Brookfield Model RVF N1/S10 at 20°C both grades 8-15 cp

COVERAGE

Coverage is approximately 7m²/L per coat. Two coats are recommended.

STORAGE & SHELF LIFE

CEMIX® CONCRETE CURE WB has a shelf life of six (6) months when stored at temperatures between 4°C - 35°C. Containers should be kept airtight to prevent surface evaporation. Freezing or prolonged exposure to direct heat or sunlight must also be avoided.

CLEANING

Equipment should be cleaned with solvent immediately after use. Any spillages should be absorbed with sand or sawdust etc. and disposed of in accordance with local regulations.

TECHNICAL DATA

APPEARANCE:	White Liquid
SPECIFIC GRAVITY:	0.98 - 1.00
APPLICATION TEMP:	5°C - 20°C

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations may occur on site.

If medical advice is needed, have product container or label at hand. Read label before use. Keep out of reach of children.

WARNING



HAZARD STATEMENTS

- Harmful if swallowed
- Causes skin irritation
- Causes serious eye damage

PREVENTION

- Wear protective gloves/protective clothing/eye protection/face protection
- Do not eat, drink or smoke when using this product. Not Applicable

RESPONSE

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call NZ POISON CENTER (0800 764 766) or doctor/physician
- Take off contaminated clothing and wash before reuse
- IF SWALLOWED: Call NZ POISON CENTER (0800 764 766) or doctor/physician if you feel unwell
- IF ON SKIN: Wash with plenty of soap and water
- Rinse mouth
- If skin irritation occurs: Get medical advice/attention

STORAGE

- Not applicable

DISPOSAL

- Dispose of contents/container in accordance with local regulations

DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Other than as appears on this product's packaging, CEMIX® PRODUCTS LTD does not give any warranty express or implied as to its suitability for any particular use. For all advice concerning the use of, or suitability of this product for a particular application please contact CEMIX® PRODUCTS LTD. If this product is defective, please contact the merchant the material was purchased from or CEMIX® PRODUCTS LTD who will refund or replace it in accordance with the requirements of the Consumer Guarantees Act.



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ADMIXTURES

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SCAN QR CODE FOR MORE PRODUCT INFORMATION.



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