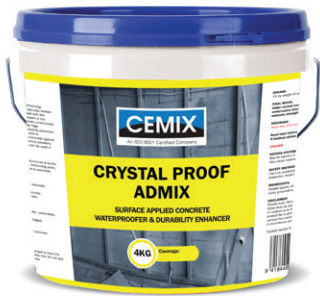




MORE THAN CONCRETE



# CRYSTAL PROOF ADMIX

## SURFACE APPLIED CONCRETE WATERPROOFER & DURABILITY ENHANCER

AVAILABLE SIZES: 2KG | 4KG | 10KG



SCAN FOR DETAILS

### DESCRIPTION:

Cemix® Crystal Proof Admix is an integral crystalline concrete waterproofing & durability enhancing admixture, which waterproofs and protects concrete in-depth. It consists of Portland cement, specially treated quartz sand and a compound of active chemicals. When Cemix® Crystal Proof Admix is mixed with the concrete when it is batched, the active chemicals combine with the free lime and moisture present in the capillary tracts of the concrete over time to form an insoluble, crystalline structure. These crystals continuously fill the pores and micro cracks in the concrete preventing any further water ingress (even under high hydrostatic pressure). These crystals are active for the life of the concrete meaning it is permanently protected. The product still allows the passage of vapour through the structure (i.e. The concrete will be able to “breathe”). In addition to waterproofing the structure, Cemix® Crystal Proof Admix protects concrete against seawater, chloride ions, wastewater, aggressive ground water and many other aggressive chemical solutions. Cemix® Crystal Proof Admix is suitable for use in contact with potable water and therefore can be used in water storage tanks, reservoirs, water treatment plants.

### TYPICAL APPLICATION/USES:

Any concrete requiring waterproofing & enhanced durability characteristics. Water retaining structures & tanks. Basement retaining walls, in-ground structures, underground structures, tunnels, lift shafts, swimming pools, and drinking water tanks

### ADVANTAGES:

- Becomes a permanent integral part of the concrete, producing watertight & highly durable concrete.
- Completely effective against high hydrostatic pressure.

- Continuously seals concrete’s pores, capillary tracts and micro cracks for the life of the concrete.
- Continuously seals hairline and small cracks up to 0.4 mm in width for the life of the concrete.
- Protects embedded steel against corrosion by chloride ions.
- Increases concrete’s compressive strength.
- Resists chemical attack (pH3-11 constant contact, 2-12 intermittent contact).
- Provides a range of protection from freeze/thaw cycles, aggressive subsoil waters, sea water, carbonates, chlorides, sulphates and nitrates.
- Waterproofing and chemical resistance properties remain intact even if the surface is damaged.
- More robust, durable and less costly than membrane water proofing systems.
- Cannot come apart at the seams, tear or puncture.
- Does not require protection during backfilling, placement of steel or wire mesh, and other common procedures.
- Easy to use.
- Non-toxic. Suitable for potable drinking water applications.
- Zero VOC

### APPLICATION:

At 0.8% - 1% by weight of cement is added to the concrete at the time of batching. It is important to have the complete dosage of Cemix® Crystalproof Admix thoroughly mixed throughout the concrete mix. Do not add dry powder directly to wet concrete to avoid admixture balling. See technical advice if required.

### DOSAGE:

1% by weight of cement (0.8% minimum).



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### TRIAL MIXES:

Under normal conditions Cemix® Crystalproof Admix will produce normal setting times & increased compressive strengths. Pre-project trial mixes are recommended to establish exact setting times and concrete strengths.

### CURING:

Normal concrete curing practises should be adopted.

### TECHNICAL DATA:

<b>APPLICATION TEMP</b>	0°C - 25°C
<b>APPEARANCE</b>	Cementitious Powder
<b>POTABLE WATER</b>	Suitable
<b>HYDROSTATIC PRESSURE</b>	Suitable

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

### COVERAGE:

### PACKAGING:

Cemix® Crystalproof Admix is available in 2kg, 4kg and 10kg pails.

### STORAGE & SHELF LIFE:

Can be stored in its original container tightly sealed in a dry place for a period of twelve (12) months after production.

### CLEANING:

Clean all tools with water & brush immediately after use.

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

### ANGER



### HAZARD STATEMENT(S):

May be harmful if swallowed. May be harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

### SAFETY INSTRUCTIONS:

Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fumes.

### INGREDIENTS:

Treated quartz, proprietary, CAS: NA, 50-55%, ;  
Portland Cement, CAS: 65997-15-1, 40-50%, ;  
Weak organic acids, proprietary, CAS: NA, <1%, ;  
Ingredients determined not to be hazardous, CAS: NA, <10%

### 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.

### SCAN QR CODE FOR MORE PRODUCT INFORMATION.



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