

# Revealox WB

## Water based surface revealing agent for use on concrete

### USES

Revealox WB is used for retarding the setting of the cement paste on the surface of concrete. This allows the retarded paste to be removed and reveal the aggregate within the mix. Suitable applications include the replacement of open graded asphalt on concrete roads, improved drainage and skid resistance, and an attractive finish.

### ADVANTAGES

- Economical means of exposing aggregate
- Reduced maintenance cost of concrete road when compared with asphalt.
- Ready to use straight from the drum
- Improved skid resistance over plain concrete
- Water based and user friendly

### DESCRIPTION

Revealox WB is supplied as a ready to use liquid. The application to the surface of freshly placed concrete produces a retarded surface layer which can be easily removed when the concrete has firmed. The ease of application makes it simple to apply an even coat to the concrete surface.

### TYPICAL PROPERTIES

Specific Gravity                      1.050 ± 0.010

### SPECIFICATION CLAUSES

#### Performance specification

All areas to be exposed, as shown on the drawings, must be treated with a water based surface retarder. It shall be used as supplied without dilution or addition of other admixtures. The retarder must allow for the removal of surface material for a period up to 18 hours.

### MARKETING SERVICES

THOMSON WHITE AUST P/L  
250 Princes Hwy Dandenong Vic 3175  
Tel: (03) 9791 8211  
Fax: (03) 9791 8644  
Email: [ask@thomsonwhite.com.au](mailto:ask@thomsonwhite.com.au)

The storage and application of the retarder must be in strict accordance with the manufacturer's instructions.

### Supplier's specification

All concrete to be exposed, as shown on the drawings, must be treated with Revealox WB as manufactured by Aftek and used in accordance with the manufacturer's data sheet.

### APPLICATION INSTRUCTIONS

Allow the concrete to firm after it has been placed and compacted to prevent the application of the Revealox WB from damaging the trowelled. Stir the product before use. Apply an even coating by brush or spray directly onto the surface of the concrete immediately the concrete has firmed, but before the initial set has taken place.

The depth of reveal can be varied to suit the size of the aggregate in the mix by altering the application rate of the Revealox WB. To achieve a normal reveal on aggregate up to 20mm, use at a rate of 5 m<sup>2</sup> per litre.

It is always advisable to carry out tests to determine the optimum application rate under site conditions prior to commencing full scale application of this product. Treated concrete surfaces should be allowed to cure for up to 24 hours before hosing with water and brushing to remove the retarded cement paste.

After exposure the concrete should be cured using a curing compound complying with AS 3799.

## REVEALOX WB

If delays of longer than 24 hours are experienced between the application of the Revealox WB and the removal of the cement paste, the concrete surface will begin to harden and an even reveal of the aggregate will be difficult to achieve.

### CLEAN UP

Revealox WB should be washed from tools and equipment immediately after use, using clean water. Residual product left in spray equipment should not be put back into the original container.

### ESTIMATING

#### Packaging

Revealox WB is supplied in 20 and 200 litre drums.

#### Material usage

Revealox WB is applied at the rate of 5 m<sup>2</sup> per litre for most applications. Determine the appropriate rate using application rates determined from site trials.

### STORAGE

Revealox WB has a shelf life of 12 months if kept in a dry store in original unopened containers. Storage at elevated temperatures will reduce shelf life.

### PRECAUTIONS

(a) **Approval Test.** Always conduct a site trial under the actual site conditions prior to commencing full production. This is particularly important for applications in direct sun and/or subject to drying wind.

(b) **Application.** The uniformity of any exposed surface is dependent on the uniform application of the retarder. Over application will result in excessive depth of etch, while insufficient retarder may produce too little exposed aggregate or make exposure more time consuming.

(c) Revealox WB is a set retarder but does not stop the cement paste from setting with time. Any delays in exposing the aggregate will decrease the depth of etch and increase the difficulty of removing the cement paste.

(d) Proper curing of the surface is essential for maximum strength development.

(e) Hot and/or windy site conditions will accelerate the setting time of the concrete surface and decrease the time from application of the retarder till removal of the cement paste.

(f) Do not pour unused material back into the original container. Keep well sealed and reuse as soon as possible. Fill spray equipment with sufficient product to complete the work at hand, to avoid wastage.

### HEALTH AND SAFETY

This product is classified as non-hazardous under Worksafe guidelines, but should still be handled with due care.

In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately - do not induce vomiting.

Material Safety Data Sheets (MSDS) are available to users of Aftek products on request to nearest Aftek distributor. Read MSDS, data sheet and label carefully before first use of any product.

### Fire

Revealox WB is non-flammable

### TECHNICAL SUPPORT

Aftek offers a comprehensive range of high quality, high performance construction products. In addition, Aftek offers technical support and on-site advice to specifiers, end users and contractors.

All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

## **REVEALOX WB**

### **ALLIED PRODUCTS**

Aftek manufactures a broad range of construction products including:

Grouts

Coatings

Admixtures

Adhesives

Sealants

Floor Toppings

Floor Levelling Compounds

Concrete Repair