

# TECHNICAL DATA SHEET

## CWS CONCRETE SHIELD™

Water based water-repellent sealer

### DESCRIPTION

CWS CONCRETE SHIELD is a high performance silane siloxane water based water-repellent formulated with special long term additives.

### APPLICATIONS

CWS CONCRETE SHIELD has a wide use, including:

- Protection of masonry facades that will later be painted, brick, tiles and concrete structures;
- Protection of natural stone (Marbles and Granites);
- Ideal for use in mineral grouts in wet areas on floors and walls.

### ACTION

- Specially developed for water repellency on porous substrates
- Increases the life of coatings and structures;
- No shining while keeping the natural appearance of the substrate;
- Allows the moisture to leave the concrete in the form of water vapor;
- High alkaline and U.V. resistant
- Reduces efflorescence ;
- After application of paints and varnishes has a longevity of more than 15 years.
- Product ready for use;
- Odourless product.

### SURFACE PREPARATION

- All substrate must be structurally sound, clean and free from any substance that can prevent or reduce absorption;
- Remove all grease, curing compounds, surface treatments, coatings, oil, etc ;
- Cracks and voids must be repaired prior to the application of CWS Concrete Shield
- Protect glass surfaces with a syrup of soap and water, thus avoiding permanent stains.

### PRODUCT PREPARATION

CWS CONCRETE SHIELD is ready to use, just open and apply.

### APPLICATION PROCEDURES

- CWS CONCRETE SHIELD should be applied by brush or low pressure spray at a distance of approximately 4 inches (10 cm) from the substrate, allowing at least 0.11" (3.0 mm) penetration of the substrate.
- CWS CONCRETE SHIELD must be applied in two coats, wet on wet, the second coat being applied immediately after the first one is absorbed;
- Maximum water repellency will be obtained after 96 hours.

**Packaging:**

55 gallon (200 litres) litres drums or 5 gallon (18 litres) pails

**Appearance:**

Clear to slightly opaque

**Application rate:**

Concrete 305 sqft/gallon (7.5 m2 / litre)

Porous surfaces 135 sqft/gallon (3.35 m2/litre)

Masonry 200 sqft / gallon (5.0 m2/litre)

**Shelf life**

24 months from the manufacturing date

**\* rates calculated for 02 layers**

## PRECAUTIONS

- CWS CONCRETE SHIELD must be applied in two coats, wet on wet, the second coat being applied immediately after the first one is absorbed;
- Always keep the carton closed when not in use. • Never reuse the packaging for any purpose other than product conditioning.
- Store original packaging in a dry, ventilated place away from sources of heat.
- Keep out of the reach of children and animals.
- Always prepare and apply the product in a ventilated environment until drying.
- It is recommended to use PPE (personal protective equipment) such as gloves, boots and goggles.
- In case of contact with skin and eyes, wash with clean drinking water for 45 minutes. If swallowed, do not induce vomiting. In both cases, seek medical advice immediately and take the

## LIMITATIONS

- Do not apply when the temperature of the base is or will reach within the next 24 hours a temperature below 5 ° C or above 32 ° C;
- CWS CONCRETE SHIELD must not be applied in strong winds or rainy conditions;
- Concrete must be properly cured (28 days);
- On horizontal surfaces there should be no accumulation of product, ie, water in the pool.
- Do not use against hydrostatic pressures or in permanent contact with water

## WARRANTY

The information contained herein is backed by testing, analysis and technical knowledge.

Measurements of values and results may vary due to particularities of the environment and / or use of the product, which are not the responsibility of the manufacturer. No other warranties are express or implied. No agent, vendor, distributor or reseller has authority to extend, alter or waive these provisions.

CWS Concrete Waterproofing Systems endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. **DISCLAIMER:** Concrete Waterproofing Systems Pty Ltd warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to Concrete Waterproofing Systems Pty Ltd shall be limited only to the replacement of the product proven to be defective. Concrete Waterproofing Systems Pty Ltd shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. Concrete Waterproofing Systems Pty Ltd makes no warranty as to the fitness of purpose save for what is expressly stated in the technical information provided by Concrete Waterproofing Systems Pty Ltd. This warranty excludes all other warranties expressed and implied except as required by statute. The user shall determine the suitability of the product for its intended use and the user assumes all written and liability in connection therein and Concrete Waterproofing Systems Pty Ltd shall not be liable save for terms of this warranty.