



Zahabiya WATER SHIELD 2KC

Zahabiya WATER SHIELD 2KC is a two component polymer modified cementitious waterproofing membrane coating with good flexibility, excellent bonding and waterproofing. The coating consists of 2 parts: a powder component containing cement, fillers and essential resins and additives while the liquid component is a blend of unique polymers which upon mixing with the powder component gives a flexible waterproof coating with good weather and temperature variation resistance. Due to its unique properties, the product can be used for waterproofing of a variety of structures such as:

- Concrete Roof (under screed).
- Bathrooms & Swimming Pools.
- Damp Proof Course (DPC).
- Underground & Overhead Water Tanks.
- Basements & Retaining walls.
- Block Masonry (before plaster) to stop damp rise.

COLOUR:**MIXING RATIO:****CONSISTENCY:****DENSITY:****SOLID CONTENT:****POT LIFE:****SAFETY:****DILUENT:****TENSILE ADHESION****STRENGTH:****CRACK OVER -****BRIDGING ABILITY:****HYDRO STATIC****PRESSURE:****APPLICATION TEMP:****COVERAGE:****CLEANER:****STORAGE:****SHELF LIFE:**

Powder: Cement Grey/ White. Liquid: White Emulsion

13 part Powder to 5 part Liquid (by weight).

Thick creamy paste.

1.8 g/cm³ after mixing [ASTM D1475].

85% non-volatiles on average of mixture [ASTM D2369].

30-40 min (@25°C / 50% RH)

Safe in Handling. Non-Toxic and Non-Flammable. A **“Human & Environment Friendly Product”**. Suitable for drinking water contact applications.

Use potable water for dilution. Recommended dilution is 5-10% by weight.

Standard Condition (28days): 1.62N/mm² [EN 14891:2017]

Water Immersion (7 days): 0.60N/mm² [EN 14891:2017]

Chlorine Water (7 days): 0.45N/mm² [EN 14891:2017]

1.51 mm [EN 14891:2017]

Passed 0.5, 1.0 and 1.5 bar [EN 14891:2017]

While applying and drying, the surface temperature should be between 5 to 35°C. Higher surface temperature can cause flash drying and cracking.

Around 10-12 SFT per kg per coat for an avg thickness of 0.5-0.6 mm per coat. This way, dry film thickness of around 1mm can be achieved.

Wet Coating and application equipments may be cleaned with water.

Store in a cool & dry place, away from sunlight at 25-35°C.

Use within 9 months of manufacturing date.

APPLICATION:

1. Clean the surface thoroughly to remove all loose dust, grits etc. Wash the surface by clean water.
2. All repairing should be done prior to application of the coating.
3. Cracks should be repaired by **Zahabiya Soft Seal Special ZSP-1191** and defects & damages with **Zahabiya Floor Repair Kit**, approx. 3 days prior to coating application. See relevant data sheet for details.
4. The surface should be “Surface Saturated Dry” (SSD) with water before application (soaked wet but no ponding).
5. Apply 2 coats of Water Shield 2KC with a stiff brush with an interval of 4 hours at the rate of 10SFT/kg/coat. The 2nd coat should be applied perpendicular to the first coat, taking care that no spots are left untreated.
6. Care should be taken to avoid flash drying esp. for sun exposed applications. It is advisable to keep the coating damp for 48 hours after application to ensure thorough curing of the coating.
7. Two (2) coats of **Zahabiya Water Shield ZSAC-10/55** are recommended on surfaces exposed to sun for long lasting protection.

Note: Water Tight Test should be carried out after 3 days of final application.

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME; NO LIABILITY for damages of any kind and the user accepts the product ‘as is’ and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.