



# AQUAGUARD 50%®

## Acrylic polymer based waterproof coating & Bonding Agent

### DESCRIPTION

AQUAGUARD 50%® is a single component, 100% ACRYLIC Polymer based polymer in water dispersion consisting of polymer and liquid additives. It can be used as a waterproof membrane for terraces, balconies and roof slabs. It can be used cement mortar patching and resurfacing. Mixed with a cement/sand or gravel combination. It becomes an effective patching and topping mortar having excellent adhesion capabilities and resistance to abrasion. It accommodates limited crack movement in underlying surfaces. It develops an excellent bond to most building material hence becoming a part of concrete repair.

### ADVANTAGES

AQUAGUARD 50%® is a ACRYLIC based polymer used for making of cement based waterproofing slurry that is flexible and can be used as coating for control of efflorescence. AQUAGUARD 50%® having excellent UV resistance and stability, surface coated with AQUAGUARD 50%® can be left exposed to sunlight. AQUAGUARD 50%® can be used as bonding agent also. AQUAGUARD 50%® is having more than 50 % active ingredients and therefore it is the best cement based waterproof slurry for coating on concrete and all building surfaces required for waterproofing.

### RECOMMENDED USES

- Water proofing of basements, toilet, terraces, roofs, swimming pools, water tanks, bridge decks, etc.
- Suitable for general concrete repairs as concrete admixture. It gives excellent bond strength.
- It can be used for protection of concrete against corrosion, salt attack, etc.
- As Bonding Agent for plaster, concreting (Old to New), stucco and cement slurry bond coat.

### TECHNICAL DETAILS

SOLIDS CONTENT BY WEIGHT	
WEIGHT	: 46+/-± 2%
COLOR	: Milky White
VISCOSITY (Brookfield) @ 20° C	: 15000-20000cps (ASTM D 1475-16)
SPECIFIC GRAVITY	: 1.1±0.2 @20°C
TOUCH DRY TIME	: 5 Hr. @22°C & RH 50%

### COVERAGE

1 Lt. AQUAGUARD 50%® mixed as per data sheet will cover appx. 4.5 sqmt – 5.0-sqmt areas in 2 coats depending upon the porosity of the surface.

### SURFACE PREPARATION

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated.

Prime the prepared surface using AQUAGUARD 50%® PRIMER (1 part AQUAGUARD 50%® and 3 parts water) with brush, roller or spray.

### METHOD OF APPLICATION

#### For Waterproof Coating

After the primer coat is completely dried apply the treatment. Mix AQUAGUARD 50%® with Portland cement in the ratio of 1 part AQUAGUARD 50%®: 2 PARTS WATER: 4.5-5 PARTS PORTLAND CEMENT using slow speed mixers. Material should be preferably mixed in small quantities to avoid wastage. Minimum 2-3 coats of AQUAGUARD 50%® are recommended depending on the nature of the surface.

#### As Bonding Agent

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated.

Prime the prepared surface using AQUAGUARD 50%® PRIMER (1 part AQUAGUARD 50%® and 3 parts water) with brush, roller or spray.

Slurry coat with a mix design of 1:2-2.5 (1 Kg AQUAGUARD 50%®: 2-2.5 Kg Cement)

The applied Bonding agent should be in tacky condition before topping with new concrete. (15-20% water can be added for make slurry brushable; if Thick)

#### **As Repair Mortar**

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated.

Prime the prepared surface using AQUAGUARD 50%® PRIMER (1 part AQUAGUARD 50%® and 3 parts water) with brush, roller or spray

Repair Mortar with a Mix design of 1:2:6 (1 AQUAGUARD 50%®:2 Part Cement:6 Part sand) applied in specific area.

After the application of repair mortar make the surface wet for 12-24 hours (It should not be flowing Water)

#### **STORAGE**

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

#### **PACKING**

AQUAGUARD 50%® is packaged in 20 kg containers, 50 Kg Drums & 200 Kg Plastic Drums.

#### **SAFETY**

AQUAGUARD 50%® is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

**INHALATION:** Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

**SKIN CONTACT:** Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

Technical Support:



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