



AQUA-Block BB

Basement Waterproofing Coating
For Commercial & Residential Applications
Professional Grade

Description

AQUA-Block BB is a state of the art, one-component, coating which waterproofs old or new, structurally sound Brick, Cement Block, Stone or Concrete basement walls leaving a white matte finish. It is highly resistant to positive and negative hydrostatic pressure to a depth of 260' which equates to 100 psi. **AQUA-Block BB** is not a vapor barrier, therefore, the concrete can still "breathe. Using this simple to apply waterproofing material means that leaking basements will be a thing of the past - PERMANENTLY.

Features

- Ready to use, just add water and apply
- Cost effective alternative to expensive construction repairs
- 1 pail will cover approximately 100 sq ft (2 x 25lb bags mixed with the appropriate amount of water)
- No odor or fumes
- Permanent treatment, for the life of the structure
- Seals cracks, up to 1/32" (for larger cracks-fill with AQUA-STOP Crack Filler)
- Commercial and residential applications
- Tested up to 100 psi (260 ft)
- Utilizes the latest in European technology
- Brush or spray applied
- Protects against fresh water, salt water, waste water and aggressive ground water
- Inorganic - non toxic
- Can be used on water tanks (potable and non-potable), marine aquariums, fish ponds, swimming pools, tunnels, etc.
- Can be applied to damp and wet surfaces

Surface Preparation

Like all good building practices, preparation is very important to ensure that the product will work with 100% effectiveness.

- The surface must be sound, clean and free of any paint or coatings.
- The surface should be rough (feel like fine sandpaper) to ensure good adhesion and bonding.

- If the surface is smooth, then "rough-up" using a mechanical or hand wire brush, or mild acid wash.
- Any cracks larger than 1/32" must be filled with AQUA-STOP Crack Filler before product is applied.
- Using a brush, wash surface with plenty of clean water, prior to application, making sure the surface is wet when the product is applied. This will enable **AQUA-Block BB** to be "sucked" into the pores and form a bond to the surface. DO NOT APPLY TO DRY SURFACES.

Mixing

- Always add powder to water NEVER water to powder.
- For brush applications mix one of the 25lb bags into 3/4 of a gallon of fresh water. If the mixture is too thick, a little more water may be added.
- For spray applications mix one of the 25lb bags into 1 gallon of fresh water.
- Only mix enough **AQUA-Block BB** for the immediate area to be covered, as once mixed you have 30 minutes to apply.
- Mix thoroughly with a mixer attachment on an electric drill to a consistency of thick paint.
- If mixture thickens in the pail-do not add more water, just re-mix.

Application

- Do not apply in temperatures below 40F (5C) or to a frozen substrate.
- Do not apply to a dry surface - surface must be pre-wetted with water before product is applied.
- Two coats are recommended at 20-50 mils per coat to achieve the coverage rate of 100 sq.ft. per pail.
- Apply second coat as soon as the first coat has set but is still "green" (normally 2-4 hours). If this is not possible then the first coat must be roughened and dampened prior to applying the second coat.

Brush Application

- Brush on the mixture evenly with the masonry brush supplied in the pail and work it well into the surface to ensure complete coverage.

Spray Application

- **AQUA-Block BB** may be applied using a “Textured Hopper Sprayer” with compressed air.
- Spray in a circular movement to ensure complete coverage.

Surface Finishing

- Brush or spray application will leave a slightly textured surface. If desired, product can be smoothed with a trowel.

Curing

- Allow the coated area to dry for a few hours, until the product is no longer tacky, and then “mist” the entire surface with clean water using a spray bottle. Continue misting the surface for 3 days, keeping it damp and moist, so that the product cures properly.
- In badly ventilated areas, try to provide some air circulation for the first 24 hours.

Decorating, Coating and Tiling

- All surfaces coated with **AQUA-Block BB** must be left to cure for 3-4 days, then clean off any loose residue with a stiff, dry brush prior to painting or coating.
- Tile mortars can be applied after 3 days.
- **Aqua-Block BB** can also be applied by a professional plasterer, to give a smooth finished surface.

Technical Information

TEST	RESULTS	METHOD
Color & Aggregate State	White Powder	
Compressive Strength	2500 psi (17 MPa)	ASTM C-109
Flexural Strength	325 psi (3 MPa)	ASTM C-348
Bond / Adhesion	>120 psi (>.7MPa)	ASTM C-321
Shrinkage	0.014% at 28 days	ASTM C-596
Vapor Permeability	17	ASTM E-96

All data are an average of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity and porosity of substrate may affect these values.

Storage and Shelf Life

AQUA-Block BB must be stored in a dry enclosed area off the ground. Shelf life in un-opened container is 12 months, from date of manufacture.

Packaging & Coverage

- **AQUA-Block BB** is supplied in 2 x 25lb bags in a plastic pail, and each pail includes a masonry brush to apply the treatment. Expect to cover approximately 100 sq. ft of finished surface from each pail.
- Each 25lb bag, when mixed with water, will cover approximately 50 square feet.

Safety

- This product contains Portland cement and silica and is highly alkaline. Avoid contact with skin and eyes. Refer to MSDS for more information.
- Wear rubber gloves and protective eyewear during mixing and application.
- After any contact with the skin, wash with plenty of clean water. In case of eye contact, rinse immediately with plenty of clean fresh water for a minimum of 10 minutes, and seek medical advice.
- **KEEP OUT OF REACH OF CHILDREN**

Limited Warranty

It is the responsibility of the customer to determine the suitability of the product for the intended purpose. Factors such as temperature, surface preparation and applicator’s skill are beyond the control of the company. Therefore, the manufacturer’s liability is limited to the replacement of the defective material only.

Manufactured in the USA

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