



Aquacoat

Cementitious Waterproof Coating

DESCRIPTION

Aquacoat is a one component, dry polymer modified blend of portland cement, admixtures and proprietary aggregates. **Aquacoat** is designed to withstand hydrostatic pressure and waterproof concrete and masonry surfaces. This coating is a vapor transmissive product that prevents vapor build-up that leads to blistering, flaking and peeling. This sealing can eliminate the need for tuckpointing old masonry structures. **Aquacoat** will fill small holes and voids as an ideal cosmetic treatment for interior and exterior surfaces.

USES

Aquacoat is ideal for:

- Waterproofing concrete, brick, block, stone and other masonry above or below grade
- Interior and exterior in applications such as tanks, tunnels, pools, manholes, reservoirs, pipes, troughs, walls, etc.

BENEFITS

- Breathable: Allows interior moisture to escape without damaging coating
- Dry Polymer Modified: Just add water
- Resistant: Withstands the intrusion of corrosive deicing salts and freeze/thaw cycles
- Versatile: Accepts a wide range of architectural and textured coatings
- Performance: Protects building interiors from moisture damage
- Consistent: Strict Quality Control testing and standards

SURFACE PREPARATION

All surfaces in contact with **Aquacoat** shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. All unsound concrete should be removed to ensure a good bond. Smooth, dense surfaces may need to be mechanically abraded to provide necessary bonding requirements. Moisten area prior to application. Always apply a test patch. Maintain contact areas between 40°F (4°C) and 90°F (32°C) prior to repair and during initial curing period.

MIXING

For best results, use a mechanical mixer with rotating blades. Pre-wet mixer and empty excess water. Place 6 quarts of cool, clean potable water per 50 lb bag in mixer, then add dry material. Mix on low RPM for a total of 3 to 5 minutes to achieve desired consistency. Mix only enough material that can be placed within working time. To enhance physical properties, prepare a mixture of 1 part **US SPEC Acrylcoat** to 3 parts clean water. Do not blend excess water as this will cause bleeding and segregation. Do not use any other admixtures or additives.

PHYSICAL PROPERTIES

Compressive Strength (ASTM C-109*)

SET	1 DAY	3 DAYS	7 DAYS	28 DAYS
A NORMAL	1,600 psi (11.02 MPa)	3,000 psi (20.67 MPa)	3,800 psi (26.18 MPa)	5,500 psi (37.90 MPa)

Rate of Set (ASTM C-266*)

SET	INITIAL	FINAL
A NORMAL	1:30	4:15

Water Absorption (ASTM C-67*)

AGE	%
1 DAY	4.21

*Notes: 73°F (22.8°C) 55% humidity
A = 6.0 qts

COVERAGE

One 50 lb. (22.7 kg) bag should cover approximately 300 to 400 ft² for damproofing (1 coat). For waterproofing (2 coats), **Aquacoat** should be applied at 200 to 250 ft² on the first coat and 300 to 400 ft² on the second coat. Total minimum thickness for proper waterproofing is 1/16". Coverage may vary depending on the porosity of surface.

Packaging: 50 lb (22.7 kg) bag, 63 bags per pallet



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PLACING

Aquacoat can be installed by brush or trowel. Place material consistently, without multiple layers. Avoid any air entrapment. For areas greater than 1/16" in depth, apply **US SPEC Quickset 20** to within 1/16" of final repair. Apply a finish coat of **Aquacoat** over entire area until even. Install in one consistent application for best color match. Material performs best when applied at cool periods in the day.

FINISHING & CURING

Follow standard ACI curing practices. Exposed surfaces should be cured with a membrane forming curing compound such as **US SPEC Maxcure Resin Clear, Hydrasheen 15%** or **Hydrasheen 30%**.

STORAGE

Normal cement storage and handling practices should be observed. Store material in an interior, cool, dry place. Shelf life is one year in original, unopened container.

LIMITATIONS

In addition to limitations already mentioned, please note the following. Do not apply when temperature is below 40°F (4°C) or when the temperature is expected to fall below 40°F within 48 hours. Do not apply over surfaces that are frozen or contain frost. Do not apply over any active faults or cracks in the substrate without addressing any movement that may occur. Allow concrete to fully cure for 28 days before the use of this product. This material is not intended for use as a horizontal wearing surface. Setting time will speed up in hot weather and slow in cold weather. For hot and cold weather applications, contact your US SPEC manufacturer's representative.

REGULATORY

Read and follow application information, precautions and Material Safety Data Information.

Right-to-know

This product contains Portland Cement (CAS#65997-15-1) and Crystalline Silica (CAS# 14808-60-7)

HMIS

Health 1, Fire 0, Reactivity 0

Prop 65

Warning! This product contains Crystalline Silica, a chemical known to the State of California to cause cancer or reproductive toxicity.

VOC Content

0 g/L

CAUTION

EYE AND SKIN IRRITANT

Contains Portland Cement (CAS# 65997-15-1) and Crystalline Silica (CAS# 14808-60-7). Do not allow contact with eyes or skin. Avoid breathing dust - silica may cause serious lung problems. There is limited evidence silica is a carcinogen. The use of gloves, goggles, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention.

TECHNICAL SERVICE

US MIX Co.

112 South Santa Fe Drive
Denver, CO 80223

Tel: 303.778.7227 Fax: 303.722.8426

Web Site: www.usspec.com

NOTICE OF LIMITED WARRANTY US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.

LIMITATION OF WARRANTIES AND LIABILITY Buyer assumes all risks associated with the use of this product. Manufacturer expressly disclaims all warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose and all other warranties otherwise arising by operation of the law, course of dealing, custom, trade or otherwise. Buyer's exclusive remedy if this product is proven to be defective is limited to refund of purchase price by the manufacturer. Refund shall only be available if the buyer notifies manufacturer in writing within thirty days following discovery of any defect. Written notice shall be forwarded to US MIX Co. at 112 South Santa Fe Drive, Denver, Colorado 80223. No claim can be made twelve months after purchase of the product. Twelve months after the purchase manufacturer's duties with respect to the product and limited warranty shall be presumed to have been satisfied. Manufacturer in no event is liable for consequential damages.

Yield: 50 lbs (22.7 kg) will fill approximately 0.43 ft³ (0.012 m³) when 6.0 qts mixing water is used.