



1600 CLEANER SEALER

Basic use:

MOXIE 1600 CLEANER SEALER is a ready to use liquid formulated for the prevention of water/ vapor migration and alkali/efflorescence attack and to protect and preserve concrete and masonry, while removing petroleum/hydrocarbon products from heavily soiled surfaces. It is the ultimate solution for all above/below grade water and premature weathering problems where the additional removal of petroleum/hydrocarbon based products is required.

Advantages:

- Ⓢ Prevents moisture and vapor migration
- Ⓢ Prevents metal corrosion and deterioration
- Ⓢ Removes petroleum products
- Ⓢ Negative and positive side application
- Ⓢ Adds density and bonding strength
- Ⓢ Resists freeze thaw (exceeds 360 cycles) to 2.8% loss by weight
- Ⓢ Hydrostatic pressure to 100 psi (231 ft. below grade)
- Ⓢ Preserves and prepares masonry for paints, coatings, and adhesives
- Ⓢ Cures concrete uniformly and increases surface hardness up to 23 %
- Ⓢ Penetrates concrete up to 7 inches
- Ⓢ Prevents alkali/efflorescence attack
- Ⓢ Prevents chloride intrusion
- Ⓢ Prevents flaking of paints
- Ⓢ Increases insulation R factor
- Ⓢ Prevents mildew and fungi
- Ⓢ Improves weathering resistance
- Ⓢ Resists acid attack (see table below) *

Acid Type	Concentration	Exposure 1	Exposures 2-6
Hydrochloric	37%	Surface etched	No reaction
Nitric	70%	Surface etched	No reaction
Sulfuric	98%	Surface etched	No reaction
Phosphoric	85%	No reaction	No reaction

Description:

MOXIE 1600 CLEANER SEALER is a water based, non-toxic, non-flammable product composed of in-organic, chemically reactive, complex compounds allowing full penetration up to seven inches while removing deeply imbedded petroleum products. MOXIE 1600 CLEANER SEALER undergoes a chemical reaction with the by products of the curing process to form the highest density of cementitious materials, dramatically enhancing all of the natural characteristics of concrete and reducing the capillary voids to practically zero.

Packaging:

MOXIE 1600 CLEANER SEALER is available in the following packages:

- Ⓢ 55 gallon drum (US.)
- Ⓢ 5 gallon pails (US.)
- Ⓢ 1 gallon bottles (US.)

Applicable Standards:

MOXIE 1600 CLEANER SEALER meets or exceeds the following performance specifications:

- Ⓢ ASTM C 67, Sect. 25 and 29
- Ⓢ ASTM C 156
- Ⓢ USDA approved
- Ⓢ Architectural and Building Standards
- Ⓢ ASTM C-309 Performance Specifications *
- Ⓢ ASTM C 666
- Ⓢ EPA approved
- Ⓢ VOC=0

Report of ASTM C-156 & C-309, Curing Properties, Loss of Moisture Performance criteria:

Tests: Application rate 200 sq. ft. per gallon (two coats) **Loss of moisture:** at 24 hr's. - 0.433k/m² at 72 hr's. - 0.541k/m²

Preparatory Work:

Some hard troweled surface may need to be shot blasted first. Contact manufacturer, any free or loose dirt, grease, oil, efflorescence or foreign matter must be physically removed first.

Limitations:

MOXIE 1600 CLEANER SEALER is formulated solely for concrete and masonry products and should not be used on asphalt, metal, or wood products. Will not penetrate acrylic or non-porous rubber base paint. Should not be applied below 40°F. MOXIE 1600 CLEANER SEALER will seal against hydrostatic pressure; however, flowing water must be stopped before application. Very damp, cold days may extend drying times. Higher temperature will shorten drying times.

Application:

Mist lightly with water prior to application. If acid washing make sure acid is **COMPLETELY REMOVED AND NEUTRALIZED** prior to application. Unless used as a curing agent it is recommended to wait 28 days before application. Surface will still be porous enough to insure proper absorption. Earlier application times are not deleterious and will result in higher compressive strengths. A clean surface is not required, however, heavily soiled surfaces should be cleaned to provide optimum results. Remove any wax, grease, rubber, acrylic based paint, or any other type of surface sealer. Sand blasting, scarifying, or bead/shotblasting may be required to allow MOXIE 1600 CLEANER SEALER to penetrate into the matrix of the concrete. Two coats are required above grade; three coats below grade. Application method depends on time/labor constraints. **Method "One" is preferred.**

1) APPLICATION METHOD ONE: Apply two coats of MOXIE 1600 CLEANER SEALER 24 hours apart. Apply first coat by saturating the surface.

Broom out any puddling. On vertical surfaces allow approximately 12" rundown. When this is nearly dry, **MIST WITH WATER** to promote deeper penetration. After 24 hours, flood with water, allow to dry approx. 3 hours. **REPEAT PROCESS FOR SECOND APPLICATION.** If efflorescence (white crystalline salts) appear continued flooding is necessary every 24 hours until efflorescence no longer appears. Typically two to seven days.

2) APPLICATION METHOD TWO: Apply first coat by saturating the surface. Broom out any puddling. On vertical surfaces allow approximately 12" rundown. When this is **NEARLY** dry, apply second coat. Allow this to dry but not over 3 hours, then "mist" with water. After 24 hours, flood surface as in APPLICATION METHOD ONE.

NOTE: High porosity or below-grade applications may require a third coat. Apply third coat 48 hours after the second coat **IN EITHER APPLICATION.**

Curing:

MOXIE 1600 CLEANER SEALER may be used as a curing compound, however, **MOXIE 1500 CONCRETE SEALER IS RECOMMENDED.** The best concrete cure can be obtained with one heavy application (approx. 250 to 300 sq. ft. per gallon) after initial set, prior to final finish. To moisture/vapor or alkali/efflorescence-proof proceed with **APPLICATION METHOD TWO.**

Surface Coverage:

Two coat coverage will yield approximately 150 sq. ft. per gallon, two coats. First coat will use about twice the amount of the second coat. A third or fourth coat is usually required for stucco, gunite, shotcrete or mortar.

Precautions:

1. **Due to pH level do not allow this product to come in contact with plant life or leather. DO NOT ALLOW PRODUCT TO COME IN CONTACT WITH GLASS, PORCELAIN OR CERAMIC TILE, ALUMINUM, ZINC OR GALVANIZED STEEL. Product will permanently etch or erode the smooth surface. Must be rinsed with water or removed with damp cloth immediately. DO NOT APPLY IN WINDY CONDITIONS.**
2. **Alkali salts (efflorescence) will react with the carbon dioxide within 24 hrs. - 48 hrs. and become permanent calcium carbonates unless flooding is performed EVERY 24 HRS. until no more efflorescence is present. If not, these salts will require physical removal such as wire brushing or sandblasting.**

Limited Warranty: 10 years