



Concrete Surface Sealer

MOXIE SHIELD 1400

is a ready to use, non-toxic, penetrating water repellent formulated for all types of large pore masonry, block, stucco and concrete. Prevents water and moisture penetration on vertical, above grade, block and masonry surfaces and is suitable for interior and exterior decorative applications, providing long-term protection.

AT A GLANCE

Moxie Shield 1400 Surface Sealer is a water-based, non-toxic, non-flammable sealer, which undergoes a chemical reaction producing a hard silicone resin that dries in 24 hours to form a water repellent barrier, penetrating from $\frac{3}{4}$ inch for concrete block, to $\frac{1}{4}$ inch for dense, fine pored masonry products or concrete. Moxie Shield 1400 produces benefits of a water repellent barrier, alkali and efflorescence inhibitor, and dust-proofing compound, all in an environmentally safe surface sealer. Field and laboratory testing shows superior performance over saline/siloxane sealers without alcohol or petroleum solvents. Produces a breathable, water repellent surface suitable for wind-driven rain.

RECOMMENDED USES

- Concrete Masonry Units
- Stucco
- Gunite
- Shotcrete
- Mortar
- Grout
- Ornamental Surfaces

ADVANTAGES

Ease of application

Water repellent

Prevents mildew & fungus growth

Prevents lichen, moss and other surface accretions

Prolonged surface life

Resists rust, clay and waterborne contaminant stains

Reduces internal chlorides

Maintains original color & cleanliness

Reduces efflorescence and alkali attack

Reduces deterioration and penetration of contaminants

Improves weathering resistance

Increased freeze-thaw durability, reducing flaking, scaling and spalling

Proven Performance

Moxie Shield 1400 liquid penetrating surface sealer has been used on building and construction materials for over 40 years to prevent moisture intrusion, while preserving surface integrity of the substrate.

Sustainability

- Building for future generations – The Moxie technology strengthens the inner structure of concrete and leads to longer lasting quality structures.
- LEED Certification – Moxie Shield 1400 increases available LEED credits for projects.
- Zero VOC (EPA 24 VOC) – The Moxie technology is based on inorganic compounds.
- Non-Toxic / Non-Hazardous – The liquid Moxie Shield 1400 is not toxic or hazardous and when protecting concrete from moisture intrusion Moxie Shield 1400 will not release toxic or hazardous emissions.
- Water-Based – The technology is a water base carrier for inorganic ingredients.

Standards Compliance

ASTM C156, ASTM C666, ASTM D3960; EPA USDA VOC=0

Preparation

All construction faults and cracks should be repaired properly. Surfaces should be thoroughly cleaned, rinsed and dry. **DO NOT USE DETERGENTS.** Before application of sealer allow 72 hours after a rainfall for surfaces to dry. Thoroughly mix sealer before use.

Application

1. Apply to clean, dry surfaces ONLY. Do not apply in direct sunlight. Test an area before use.
2. To assure adequate absorption and coverage, spray area to allow a rundown of 12 inches during application. A brush or roller may also be used.
3. Apply second coat while first coat is still damp. **DO NOT ALLOW FIRST COAT TO DRY BEFORE THE SECOND COAT IS APPLIED.** It is recommended that no more than a 50 ft² section be applied at one time.
4. Allow 24 hours curing for maximum performance.

Coverage Rate

- For two coat coverage estimate 50-100 ft² per gallon, depending on substrate porosity.

Packaging

Moxie Shield 1400 Surface Sealer is available in 1 gal (3.8 L) and 5 gal (18.9 L) pails, 55 gal (208 L) drums and 275 gal (1041 L) totes.

Storage

Do not allow to freeze.

Limitations

MOXIE 1400 Surface Sealer should not be applied on moist or wet surfaces. Do not apply in direct sunlight. Do not apply in windy conditions. Do not apply if ambient temperatures are below 50° F / 10°C.

Additional Information

Avoid contact with eyes. Due to the high 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. Remove with running water or a damp cloth immediately. Product will permanently etch or erode the smooth surface.

Manufacturers Guarantee

Moxie Shield 1400 Surface Sealer is guaranteed to perform and be manufactured per the specifications contained in the Moxie Engineering documentation.

Related Documents

SDS

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