

TECHNICAL DATA SHEET



MOXIE SHIELD 3000 **CONCRETE & MASONRY CLEANER**

MOXIE SHIELD 3000 IS A HEAVY-DUTY DETERGENT FORMULATED TO CLEAN OIL, GREASE, AND SOIL FROM CONTAMINATED CONCRETE SURFACES. IT BREAKS CONTAMINANTS INTO SUSPENDED PARTICLES THAT RINSE AWAY EASILY WITHOUT REDEPOSITING, LEAVING CONCRETE SURFACES CLEAN AND RESTORED.

AT A GLANCE

MOXIE SHIELD 3000 Concrete & Masonry Cleaner is a water-based, alkaline, heavy-duty cleaner formulated for use on concrete and masonry surfaces. It penetrates large-pore substrates to remove dusting, laitance, efflorescence, atmospheric contaminants, and jobsite residue.

With a pH of 12.3, the product provides strong cleaning action without harsh solvents, acids, or toxic ingredients. Ideal as a pre-treatment prior to applying any Moxie Shield penetrating sealer.

RECOMMENDED USES

- Floor slab concrete
- Concrete masonry units (CMU)
- Concrete block
- Shotcrete and gunite
- Mortar and grout
- Precast or cast-in-place concrete
- Stone and decorative masonry
- Weathered or dusty substrates prior to sealing

ADVANTAGES

- Heavy-duty cleaning action
- Removes surface dusting, efflorescence, dirt, and construction residue
- Restores natural surface appearance
- Non-flammable, water-based formulation
- Zero VOC
- Compatible with all Moxie penetrating sealers
- Easy application by sprayer, brush, or low-pressure equipment
- Environmentally safe for use on concrete and masonry
- Will not harm concrete surface
- Does not leave a film or residue when rinsed
- Reduces surface contaminants prior to sealing

PROVEN PERFORMANCE

MOXIE SHIELD 3000 Concrete & Masonry Cleaner has been used in construction, maintenance, and restoration to prepare masonry substrates for sealing. Its alkaline cleaning action lifts contaminants without the hazards associated with acid cleaners.

SUSTAINABILITY

- Zero VOC (EPA Method 24)
- Water-Based formulation
- Non-Toxic / Non-Hazardous
- Environmentally responsible; will not harm concrete
- Improves long-term substrate performance when paired with MOXIE SHIELD sealers

TECHNICAL INFORMATION

- Appearance: Clear to slight straw
- Specific Gravity: 1.02
- pH: 12.30
- VOC: 0 g/L
- Solubility: Fully soluble
- Evaporation Rate: 1 (Butyl Acetate = 1)
- Flash Point: None (non-combustible)

COVERAGE RATE

- General cleaning: 100–200 ft² per gallon
- Heavy efflorescence: 75–150 ft² per gallon

SURFACE PREPARATION

- Remove loose dirt and debris before applying
- Protect vegetation and non-masonry surfaces
- Test a small area prior to full application

APPLICATION PROCEDURES

1. Agitate product before use.
2. Apply with sprayer, brush, or low-pressure equipment.

3. Allow dwell time of 5–10 minutes; do not allow to dry.
4. Scrub heavily soiled areas.
5. Rinse thoroughly with clean water.
6. Allow surface to dry before applying sealer.

PACKAGING

- 1-gallon pails
- 5-gallon pails
- 55-gallon drums
- 275-gallon totes

STORAGE

- Store above 40°F (4.5°C)
- Do not allow product to freeze
- Indefinite shelf life

HANDLING AND SAFETY

- Avoid prolonged skin or eye contact
- Use protective eyewear and gloves
- Avoid breathing spray mist

FIRST AID

- Eyes: Flush 15 minutes
- Skin: Wash with soap and water
- Inhalation: Move to fresh air
- Ingestion: Do not induce vomiting; seek medical attention

MANUFACTURER'S GUARANTEE

- MOXIE SHIELD 3000 Concrete & Masonry Cleaner is guaranteed to be manufactured in accordance with Moxie International's engineering and quality control specifications.