

Conpro Shield MX

**Spray, roller
or brush applied,
penetrating aqueous
alkoxysiloxane
water repellent.**

WHERE TO USE
**Vertical and horizontal
concrete, concrete block,
concrete pavers, natural stone,
stucco and brick.**

PERFORMANCE CHARACTERISTICS

Maximum protection

- Passes ASTM E514.
100% no leakage.
94% reduction in water absorption.

Long term protection

- Advanced silicone technology.

Environmental protection

- Mitigates carbonation.
Effective chloride ion screen.
UV stable.
Unaffected by microbiological activity.

Breathability

- Water vapor permeable.

Clear result

- Will not darken or alter
light reflection of substrate
when properly applied to
a dry and untreated surface.

Cold weather application

- Apply to 40°F or above.
With 1-hour cure will tolerate
sub-freezing temperatures
with no affect.
Substrate should be frost free.

Increases durability

- Repels water from penetrating
substrate. Most damage to
concrete, masonry and stone
is due to water entry.

Environmentally friendly

- Water based technology, low odor,
easy handling and clean up.

VOC compliant

- Meets all current
VOC emission standards
for waterproofing,
concrete/masonry sealer.

SURFACE PREPARATION

- Substrate must be clean and
free of loose debris, oils, paints,
previously applied water repellents
or any substance that can
interfere with penetration.
- Substrate must be dry and
frost free. Moisture in the substrate
will reduce penetration.
- Repoint loose deteriorating mortar;
fill all voids and cracks in mortar.
- Inspect flashing around all
openings, caulking, expansion
joints and roof components
to determine condition and
for evidence of water entry.
Material will not prevent water
entry through cracks or voids
in substrate or other building
components.

PRIMING

- Priming is not necessary.

MIXING

- Stir until homogenous.

APPLICATION

- Always apply to a test area
to ensure *Conpro Shield MX*
will not affect the appearance
of the surface due to reaction
with previously applied
materials or by drawing surface
contaminants into the substrate.
- For best results apply
with a low pressure sprayer
using a fan tip.
- For vertical applications
begin at the bottom of the
wall and work up generating
a 4 - 6 inch rundown.
- Work to natural break points
in the structure.
- Always keep a wet edge.
- For horizontal applications
begin at one edge and work
backwards towards the
opposite edge.
- Apply enough material
to saturate the surface, but
do not allow material to pond.
Brush out ponded material
before surrounding area dries.
- Single coat coverage is suitable
for most applications.
- Multiple applications of Shield MX
can be applied either wet on wet
or to a cured surface.

CURING

- Protect from moisture and
traffic for 8 hours.
Material is fully cured in 14 days.

CLEAN UP

- Clean tools, equipment and
adjacent areas with water
immediately after application.
- Clean glass, metal, vinyl,
aluminum with glass cleaner
before material can cure.
- Cured material can be removed
mechanically.

Conpro Shield MX

COVERAGE/YIELD

- Coverage will vary depending upon porosity of substrate.
- Concrete – 125 - 175 ft.²/gal.
- Concrete block – 40 - 150 ft.²/gal.
- Brick – 100 - 175 ft.²/gal.

PRODUCT HANDLING

Packaging

- 1, 5 and 54 gallon plastic containers.

Shelf Life

- 18 months in unopened containers. Materials must be agitated thoroughly before each use to ensure homogeneity.

Storage

- Transport and store in cool, clean, dry conditions in unopened containers.

Do Not Freeze -

This will destroy the Shield MX.

LIMITATIONS

- Ensure adequate air movement to dissipate fumes during application and curing.
- Use safety glasses and gloves during application.
- Do not dilute.
- Do not spray in high winds.
- Always apply a sample to determine suitability to substrate.
- Does not prevent water entry through cracks, penetrations or open joints.
- Not applicable for below-grade waterproofing.

HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing mist.
- Avoid contact with skin and eyes.
- Ensure adequate ventilation during application and curing.
- Refer to Material Safety Data Sheet (MSDS) for additional information.

FIRST AID

- If swallowed contact a medical professional immediately. Do not induce vomiting.
- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
- For respiratory problems, remove person to fresh air. If respiratory difficulty persists, contact a medical professional.

DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

TECHNICAL DATA

Physical state and appearance		Milky white liquid
pH		9
Odor		Slight
Solids by weight		11%
Solvent system		Aqueous
Volatile organic content – VOC	ASTM D3960	<50 gms./liter
Active ingredients		Siloxane based
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Accelerated weathering – QUV	ASTM G154	2000 hours UV-B cycled with condensation – no effect
Accelerated weathering – carbon-arc	ASTM G152	Pass – no effect
Water penetration and leakage	ASTM E514	100% reduction, no staining or leakage
Water vapor transmission	ASTM E96	100%
Resistance to salt spray	ASTM B117	Pass – no effect
Moisture absorption	ASTM C140	Reduction compared to control 94%
NCHRP 244 Series II		
Reduction in chloride ion intrusion		82%

FOR PROFESSIONAL USE ONLY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. March 2011.

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