

Product Description

MC-Antigraffiti 100 is Wasser's single component, low VOC, non-sacrificial, moisture-cure, aliphatic urethane topcoat. It is an ideal topcoat meeting ASTM D-6578 for graffiti resistance on concrete, metal or all surfaces that require superior UV protection, excellent chemical resistance, and easy removal of graffiti, inside or out.

Area of Use

Substrates

Over properly prepared:
Ferrous Metal
Galvanized Metal
Aluminum/Non-Ferrous Metal
Concrete/Concrete Block

Possible Uses

Water Treatment Facilities
Wastewater Treatment Facilities
Food Processing
Pulp and Paper Mills
Tank Exteriors
Hydropower Facilities
Marine/Port Facilities
Offshore Platforms

Highway Barriers/ Sound Walls
Chemical Processing Facilities
Refineries
Floors
Structural Steel
Work Boats
Bridges

Ready Reference Information

Resin Type: Moisture Cure Aliphatic Urethane
Pigment type: Clear
Sheen: (Gloss 85+) and (Semigloss 30-45)
Colors: Clear
Volume Solids: 58% ± 2.0
Weight Solids: 61% ± 2.0
VOC: < 0.83 lb/gal (100g/l)
(Volatile Organic Content)

Theoretical Coverage: At 1 mil DFT: 930 sqft/gal
At 25µm DFT: 22.7 sqm/l)

Recommended Film Thickness:
Wet: 2.5-3.4 mils (63-86 microns)
Dry: 1.5-2.0 mils (38-51 microns)

Recommended Coverage Per Coat:
465 sqft/gal at 2.0 mils DFT – 620 sqft/gal at 1.5 mils DFT

Thinning: MC-Thinner, MC-Thinner 100, MC-Thinner XMT
Clean Up: MC-Thinner, MC-Thinner 100, MC-Thinner XMT

Drying Times and Temperatures

*At 50% Humidity	50°F/10°C		75°F/24°C		95°F/35°C	
	Without PURQuik®	With PURQuik®	Without PURQuik®	With PURQuik®	Without PURQuik®	With PURQuik®
Tack Free	24 hrs	12 hrs	5 hrs	3.5 hrs	60 min	30 min
Recoat Minimum ^{1**}	28 hrs	16 hrs	6 hrs	4.5 hrs	1.5 hrs	45 min
Full Cure	7 days	5 days	24 hrs	16 hrs	6 hrs	4 hrs

****MAXIMUM RECOAT TIME: 8 hr. @ 75°F / 23°C**

*Humidity, temperature and coating thickness will affect recoat and curing times

¹On clean surface, recoat within 8 hours. After 8 hours, do a test patch. Surface may require light sanding to provide sufficient anchor profile.

Refer to Wasser's PURQuik® Accelerator Product Data for additional information

Product Features

- Prevents staining from microbial attack
- Meets ASTM D-6578 for graffiti resistance
- Resistant to Skydrol
- Suitable for Immersion
- Single component Moisture Cure Urethane
- Suitable for Immersion Service
- No mixing errors
- Easy to apply by brush, roller or spray methods
- UV, impact and abrasion resistant
- Versatile clear, gloss topcoat for various substrates
- Resistant to moss, mold, fungus and microbial growth
- Can be applied at 99% relative humidity
- Can be applied in below freezing temperatures (no ice or frost)
- Compatible with PURQuik® Accelerator for faster recoat and cure times (Do not accelerate MC-Antigraffiti 100 when used as prime coat on concrete)

Recommended Systems

Atmospheric Exposure

Concrete¹ (Interior/Exterior):

1 st Coat: MC-CR 100 or MC-Universal Primer DTM4.0-5.5 mils DFT	
2 nd Coat: MC-Luster 100	2.0-4.0 mils DFT
3 rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>7.5-11.5 mils DFT</u>

1 st Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
2 nd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>3.0-4.0 mils DFT</u>

1 st Coat: WP 102 Rapid-thane Polyaspartic	6.0-10.0 mils DFT
2 nd Coat: MC-Antigraffiti 100	1.5- 2.0 mils DFT
<u>Total System DFT</u>	<u>7.5-12.0 mils DFT</u>

¹ Prime coat for concrete may be reduced up to 25% to facilitate coating penetration. Subsequent coating applications may be reduced as necessary up to 10%. Thin in accordance with local and federal regulations.

Ferrous Metals:

1 st Coat: MC-Zinc 100 or MC-Miozinc 100	3.0-5.0 mils DFT
2 nd Coat: MC-Ferrox B 100	3.0-5.0 mils DFT
3 rd Coat: MC-Luster 100 or MC-Ferrox A 100	1.5-2.0 mils DFT
4 th Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>9.5-13.0 mils DFT</u>

1 st Coat: MC-Universal Primer 100 DTM	4.0-5.5 mils DFT
2 nd Coat: MC-Luster 100	3.0-4.0 mils DFT
4 th Coat MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>8.5-11.5 mils DFT</u>

Aluminum/Non-Ferrous Metals/ Galvanized Metal:

1 st Coat: MC-Universal Primer 100	4.0-5.5 mils DFT
2 nd Coat: MC-Shieldcoat 100	1.5-2.0 mils DFT
3 rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>7.0-9.5 mils DFT</u>
1 st Coat: MC-Ferrox B 100	3.0-5.0 mils DFT
2 nd Coat: MC-Luster 100	2.0-4.0 mils DFT
3 rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
<u>Total System DFT:</u>	<u>4.5-11.0 mils DFT</u>

Note: Use over recommended primers, intermediates, and light stable topcoats for ferrous metal. Not recommended for direct to ferrous metal applications.

***Other Systems are available. Contact your Wasser Representative to answer any questions.**

Performance Testing Data

Dry Heat Resistance:

Continuous: 250°F (120°C)-Intermittent: 375°F (162°C)

Abrasion Resistance: 16 mg loss

(ASTM D4060- CS-17 wheel,1000 cycles/kg load)

Impact: Direct:120, Reverse:28

*Contact Wasser Corporation for detailed testing of this product

Compatible Coatings

Primer:

MC-Zinc 100
MC-Miozinc 100
MC-Prepbond 100
MC-Universal Primer DTM 100

Intermediates:

MC-Ferrox B 100
MC-Miomastic 100
MC-CR 100

Topcoats:

MC-Ferrox A 100
MC-Luster 100
MC-Shieldcoat 100
MC-Antigraffiti 100

Polyflex 102 Rapid Thane Polyaspartic
Polyflex 201, 202, 203, 204, 301, 401, 402

Coating Accelerator:

PURQuik[®] Coating Accelerator

Surface Preparation

Concrete/Concrete Block

The surface must be dry, free of surface contaminants, and in sound condition. Grease, and oil should be removed by ASTM D4258-83 and release agents should be removed by ASTM D4259 - 88. Refer to SSPC-SP13/NACE No 6 mechanical or chemical surface preparation methods for preparing concrete to suitable cleanliness for intended service. Surface preparation methods should impart sufficient surface profile for mechanical adhesion to occur. Ensure surface is thoroughly rinsed and dry prior to coating application. Allow a minimum 7 - 14 days cure time for new concrete prior to preparation and application.

Ferrous Metal

Apply to clean, dry, Wasser recommended primers. Refer to the primer Product Data for additional information.

Aluminum/Galvanized/Non-Ferrous Metal

Prepare surfaces using SSPC-SP1 Solvent Cleaning and SSPC-SP12/NACE No. 5 Low Pressure Water Cleaning methods to remove surface contamination. Supplement weathered galvanized surface preparation with SSPC-SP2 and 3 Hand and Power Tool cleaning to remove excessive corrosion and impart surface profile on bare metal. Supplement new galvanized surface cleaning with mechanical abrasion to impart surface profile and support mechanical adhesion.

Good Practices

MC-Antigraffiti 100 is designed for application to a variety of substrates and tightly adhering, previously existing coatings. Apply a test sample to a small area to determine coating adhesion and/or compatibility. Spot prime any areas cleaned to bare metal with a Wasser recommended system.

The surface to be coated must be dry, clean, dull, and free from dirt, grease, oil, rust, mill scale, salts or any other surface contaminants that interfere with adhesion.

Ensure welds, repair areas, joints, and surface defects exposed by surface preparation are properly cleaned and treated prior to coating application.

Consult the referenced standards, SSPC-PA1 and your Wasser Representative for additional information or recommendations.

Application Information

MC-Antigraffiti 100 can be applied by brush, roll, airless spray and conventional spray methods. Follow proper mixing instructions before applying and observe all recoat requirements.

Mixing:

Material temperature must be 5° F above the dew point before opening and agitating.
Power mix thoroughly prior to application.
Do not keep under constant agitation.
Apply a 3-6 oz solvent float over material to prevent moisture intrusion and cover pail.

Reducer: MC-Thinner, MC-Thinner 100, (if VOC regulations restrict thinning, use MC-Thinner XMT).

Reduction is typically not required. If necessary, thin up to 10% with recommended thinner. Thin in accordance with local and federal regulatory standards.

Brush/Roller:

Brush: Natural Fiber
Roller: Natural or synthetic fiber cover
Nap: ¼" to ¾"
Core: Phenolic
Reduction: Typically not required. If necessary, reduce with MC-Thinner 100.

Clean up: MC-Thinner, MC-Thinner 100

If Wasser thinners are not available, use MEK, MIBK, Xylene, a 50:50 blend of Xylene and MEK or MIBK, or acetone for clean up only. Do not add unauthorized solvents to a Wasser coating.

Airless Spray:

Pump Ratio: 28-40:1
Pressure: 2400-2800 psi
Hose: ¼" to ¾"
Tip Size: .007-.015
Filter Size: 60 mesh (250 µm)
Reduction: Typically not required. If necessary, reduce with MC-Thinner or MC-Thinner 100.

Temperature: 20° - 100° F (-8° - 38°C)

This temperature range should be achieved for ambient, surface and material temperature. Substrate must be visibly dry. MC-Thinner 100 is recommended for spray application in temperatures above 90°F.

Conventional Spray: (DeVilbiss MBC, JGA or equivalent)

Fluid Nozzle: E Fluid Tip
Air Cap: 704 or 765
Atomizing Air: 45-75 lbs.
Fluid Pressure: 15-20 lbs.
Hose: ½" ID; 50' Max
Reduction: Typically not required. If necessary, reduce with MC-Thinner or MC-Thinner 100.

Relative Humidity: 6% - 99%

Coating Accelerator: PURQuik® Accelerator.

See Wasser's PURQuik® Accelerator Product Data for information.

Storage: Store off the ground in a dry, protected area in temperature between 40 - 100°F (4 - 38°C). MCU containers must be kept sealed when not in use. Use a solvent float to reseal partial containers.

Certifications and Qualifications

VOC Compliant (National Standards – Industrial Maintenance Coating, and Concrete Protective Coating)

Qualified for use in USDA and FDA inspected facilities

Meets ASTM D-6578 for graffiti resistance

Ordering Information

Product Numbers: W631.0

Package Size: 1 gallon and 5 gallon pails

Shelf Life: 12 months from date of shipment when stored unopened at 75°F (24°C)

Shipping Information

Flash Point: 100°F (38°C)

Weight/gallon: 9.66 ± 1.0 lbs

DOT HAZARD CLASS 3

DOT PACKAGING GROUP III

DOT LABEL FLAMMABLE LIQUID

DOT SHIPPING NAME PAINT

DOT PLACARD FLAMMABLE LIQUID

UN/NA NUMBER 1263

Safety Precautions

DANGER!

VAPOR AND SPRAY MIST HARMFUL. OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION, EFFECTS MAY BE PERMANENT, MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. FLAMMABLE LIQUID AND VAPOR.

CONTAINS: Petroleum Distillates, Methyl-n-Amyl Ketone, Isophorone Diisocyanate, Homopolymer HDI

NOTICE: Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. **Use Only With Adequate Ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Vapor may cause flash fire.

KEEP OUT OF REACH OF CHILDREN

FIRST AID: If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes. Keep container closed when not in use. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Obtain and Read the Material Safety Data Sheet Before Using.

INTENDED FOR PROFESSIONAL USE ONLY.

Note: Ingredients and VOC/VOS may vary for products with catalysts, tint bases, and other colors

Wasser Corporation's liability on any claim of any kind, including claims based upon Wasser Corporation's negligence or strict liability, for any loss or damage arising out of, connected with or resulting from the use of the products, shall in no case exceed the purchase price allowable for the products or part thereof that give rise to the claim. In no event shall Wasser Corporation be liable for consequential or incidental damages. Published Product Data Sheets are subject to change without notice. Contact your Wasser Representative for current Product Data Sheets.