

MC-Antigraffiti 100

specialty (Optional Anti-Microbial AM)

WASSER
ADVANCED COATINGS TECHNOLOGY

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.

MC-Antigraffiti 100 AM is formulated to be bio-resistant to microbial attack, breakdown and growth and will not support fungal growth.

Product Features

- Prevents staining from microbial attack
- Meets ASTM D-6578 for graffiti resistance
- Resistant to Skydrol
- Suitable for immersion service
- Single component Moisture Cure Urethane
- No mixing errors
- Easy to apply by brush, roller or spray methods
- UV, impact and abrasion resistant
- Versatile clear topcoat for various substrates
- Resistant to moss, mold, fungus and microbial growth
- Can be applied up to 99% relative humidity (accelerator may be required)
- Compatible with PURQuik® Accelerator for faster re-coat and cure times (Do not accelerate MC-Antigraffiti 100 when used as a primer/sealer coat on concrete)

Area of Use

Substrates

Over properly prepared:

- Ferrous Metal
- Galvanized Metal
- Aluminum/Non-Ferrous Metal
- Concrete
- Concrete Block

Possible Uses

- Water and Wastewater Treatment Facilities
- Food Processing
- Pulp and Paper Mills
- Tank Exteriors
- Hydro-power Facilities and Penstocks
- 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	Theoretical Coverage: At 1 mil DFT: 978 ft ² /gal (25 µm DFT: 24 m ² /l)
Pigment Type:	Clear	Recommended Film Thickness: Wet: 2.5-3.4 mils (63-86 µm) Dry: 1.5-2.0 mils (38-51 µm)
Sheen:	Gloss; Semi-gloss; Low-gloss	Recommended Coverage Per Coat: 489 ft ² /gal at 2.0 mils DFT - 652 ft ² /gal at 1.5 mils DFT
Colors:	Clear	Thinning: MC-Thinner, MC-Thinner 100, MC-Thinner XMT
Volume Solids:	61.0% ± 2.0	Clean Up: MC-Thinner, MC-Thinner 100, MC-Thinner XMT
VOC: (Volatile Organic Content)	<0.83lb/gal (100g/l)	

*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 hours	12 hours	5 hours	3.5 hours	2 hours	30 minutes
Re-coat Minimum¹	28 hours	16 hours	6 hours	4.5 hours	3 hours	45 minutes
Full Cure	7 days	5 days	24 hours	16 hours	12 hours	4 hours

¹MAXIMUM RE-COAT TIME: 8 hr. @ 75°F / 23°C. *Humidity, temperature and coating thickness will affect re-coat and curing times. On clean surface, re-coat 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. Film thickness greater than 3 mil DFT will create cloudiness however it will not affect its anti-graffiti properties.

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Recommended Systems

Atmospheric Exposure

Concrete¹ (Interior/Exterior):

1st Coat: MC-Universal 100 or MC-CR 100	4.0-5.5 mils DFT
2nd Coat: MC-Luster 100	2.0-4.0 mils DFT
3rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	7.5-11.5 mils DFT
1st Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
2nd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	3.0-4.0 mils DFT
1st Coat: WP 102 Rapid-thane Polyaspartic	6.0-10.0 mils DFT
2nd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	7.5-12.0 mils DFT

¹Prime 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:

1st Coat: MC-Zinc 100 or MC-Miozinc 100	3.0-5.0 mils DFT
2nd Coat: MC-Ferrox B 100	3.0-5.0 mils DFT
3rd Coat: MC-Luster 100 or MC-Ferrox A 100	2.0-4.0 mils DFT
4th Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	9.5-16.0 mils DFT
1st Coat: MC-Universal 100	4.0-5.5 mils DFT
2nd Coat: MC-Luster 100	2.0-4.0 mils DFT
3rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	7.5-11.5 mils DFT

Aluminum/Non-Ferrous Metals/ Galvanized Metal:

1st Coat: MC-Universal 100	4.0-5.5 mils DFT
2nd Coat: MC-Luster 100	2.0-4.0 mils DFT
3rd Coat: MC-Antigraffiti 100	1.5-2.0 mils DFT
Total System DFT:	7.5-11.5 mils DFT

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.

Compatible Coatings

Primers:

MC-Zinc 100
MC-Miozinc 100
MC-Prepbond 100
MC-Universal 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

MC-Antigraffiti 100 AM is also compatible with other UV stable topcoats. Contact Wasser for further information.

Wasser Polyflex 102 Rapid Thane Polyaspartic
All Wasser Polyflex Polyurea Products

Coating Accelerator

PURQuik® 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 (Re-approved 1999) and release agents should be removed by ASTM D4259 - 88 (Re-approved 1999). 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 Metals

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 SP3 Hand and Power Tool cleaning to remove excessive corrosion and impart surface profile on bare metal. Supplement new galvanized surface cleaning with SSPC-SP16 to impart surface profile and support mechanical adhesion.

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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 re-coat 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.

Brush/Roller:

Brush: Natural Fiber
Roller: Natural or synthetic fiber cover
Nap: ¼" to ⅜"
Core: Phenolic
Reduction: Typically not required. If necessary, reduce with MC-Thinner 100.

Airless Spray:

Pump Ratio: 28 - 40:1
Pressure: 2400-2800psi
Hose: ¼" to ⅜"
Tip Size: 0.009-0.013
Filter Size: 60 mesh (250 µm)
Reduction: Typically not required. If necessary, reduce with MC-Thinner or MC-Thinner 100.

Conventional Spray/HLVP:

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.

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 15% with recommended thinner. Thin in accordance with local and federal regulatory standards.

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.

Application Conditions

Temperature: 40° - 100° F (4° - 38° C). This temperature range should be achieved for ambient, surface and material temperature. Substrate must be visibly dry and frost free. On applications below 50°F (10° C) the use of PURQuik® Accelerator is required. Steel temperatures should be 5°F above the dew point temperature. MC-Thinner 100 is recommended for spray application in temperatures above 90°F.

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.

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Certifications and Qualifications

Meets ASTM D-6578 for graffiti resistance.
VOC Compliant(National Standard for Industrial Maintenance Coating, Ozone Transportation Commission and SCAQMD Rule 1113 IM Coating effective 1/1/04)
Qualified for use in USDA and FDA inspected facilities.

Performance Testing Data

**Contact Wasser Corporation for detailed testing of this product.*

Ordering Information

Product Numbers: W631

Package Size: 1 gallon

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:	9.66 ± 1.0 lbs/gal. (1.16 ± 0.12k/l)
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!

Intended for professional use only. Obtain and Read Wasser's Safety Data Sheet for this before using.

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 Wasser's Safety Data Sheet for this before using.

INTENDED FOR PROFESSIONAL USE ONLY.

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

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Contact your Wasser Representative or the Wasser website for the most current Product Data Sheets.