Product Description

Engineered for performance in the harsh environment of marine vessel ballast tanks, MC-BallastCoat 100 has become a recommended topcoat for application on various marine, immersion service or interior surface coating projects. It has the advantage of superior corrosion resistance, hard-film cure, and light coloring pigments for easy surface inspection and maintenance.

Product Features

- Single Component Moisture Cure Urethane
- No Mixing Errors. No Pot Life
- Easy to apply by brush, roller, mitt or spray methods
- Higher performance than coal tar epoxy coatings
- Low VOC
- Immersion & Non-Immersion
- Can be applied at 99% humidity
- Can be applied in below freezing temperatures (no ice or frost)
- No Dew Point Restrictions (Substrate must be visibly dry)
- No outer re-coat window on clean surfaces
- Compatible with PURQuik® Accelerator for faster re-coat and cure times.

Ready Reference Information

Resin Type: Single Component Moisture Cure Urethane
Pigment Type: Coloring and Anti-corrosive
Sheen: Flat
Colors: Beige
Volume Solids: 62.0% ± 2.0
VOC: <0.8lb/gal (100g/l)

Theoretical Coverage:
At 1 mil DFT: 994 ft²/gal (25 μm DFT: 24.4 m²/l)

Recommended Film Thickness:
Wet: 4.8 - 6.4 mils (122 - 163 μm)
Dry: 3.0 - 4.0 mils (76 - 102 μm)

Recommended Coverage Per Coat:
249 ft²/gal at 4.0 mils DFT - 331 ft²/gal at 3.0 mils DFT
(6.1 m²/l at 102 μm DFT - 8.11 m²/l at 76 μm DFT)

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

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

Substrates
Over properly prepared:
- Ferrous Metal
- Galvanized Metal
- Aluminum/Non-Ferrous Metal
- Metallized
- Previously Existing Coatings
- Concrete / CMU

Possible Uses
- Ballast Tanks
- Tanks
- Offshore Platforms
- Material Handling Equipment
- Pulp and Paper Mills
- Chemical Processing Facilities
- Hydro-power Facilities and Penstocks
- Water and Wastewater Treatment Facilities
- Structural Steel
- Work Boats
- Marine/Port Facilities
- Refineries
- Fish Bypass Systems

*Humidity, temperature and coating thickness will affect re-coat and curing times.
1 No outer re-coat window on clean surfaces; oil, grease, chalk must be removed.
**MC-BallastCoat 100**

**Recommended Systems**

**Ferrous Metals (Immersion/Severe Exposure):**

1st Coat: MC-Zinc 100   3.0-5.0 mils DFT
Or MC-Miozinc 100
2nd Coat: MC-Tar 100   5.0-7.0 mils DFT
3rd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
Total System DFT: 11.0-16.0 mils DFT

1st Coat: MC-Zinc 100   3.0-5.0 mils DFT
Or MC-Miozinc 100
2nd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
3rd Coat: MC-BallastCoat 100  3.0-4.0 mils DFT
Total System DFT: 9.0-13.0 mils DFT

**Ballast Tanks (Salt Water):**

1st Coat: MC-Zinc 100   3.0-5.0 mils DFT
Or MC-Miozinc 100
2nd Coat: MC-Tar 100   5.0-7.0 mils DFT
3rd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
Total System DFT: 11.0-16.0 mils DFT

1st Coat: MC-Prepbond 100  1.5-2.0 mils DFT
2nd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
3rd Coat: MC-BallastCoat 100  3.0-4.0 mils DFT
Total System DFT: 7.5-10.0 mils DFT

**Aluminum/Non-Ferrous Metals/Galvanized Metal:**

1st Coat: MC-Unversal 100  4.0-5.5 mils DFT
2nd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
Total System DFT: 7.0-9.5 mils DFT

**Concrete**:

1st Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
2nd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
Total System DFT: 6.0-8.0 mils DFT

1st Coat: MC-Tar 100   5.0-7.0 mils DFT
2nd Coat: MC-BallastCoat 100   3.0-4.0 mils DFT
Total System DFT: 8.0-11.0 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.

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

MC-BallastCoat 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 primer.

For immersion or severe environments, apply over a recommended Wasser primer.

Application Information

MC-BallastCoat 100 can be applied by brush, roll, airless spray, mitt and conventional spray methods. Follow proper mixing instructions before applying.

Mixing:
Material temperature must be 5°F above the dew point before opening and agitation. 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**: 2100-2800 psi
- **Hose**: ¼” to ⅜”
- **Tip Size**: 0.013-0.017
- **Filter Size**: 60 mesh (250 μm)
- **Reduction**: Typically not required. If necessary, reduce with MC-Thinner or MC-Thinner 100.

Conventional Spray/HVLP:
- **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**: 20°- 100° F (-8°- 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 33° F (0.5° C), 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.
Certifications and Qualifications

VOC Compliant (National Standard for Industrial Maintenance Coating, Ozone Transportation Commission and SCAQMD Rule 1113 IM Coating effective 1/1/04)

Performance Testing Data

*Contact Wasser Corporation for detailed testing of this product.

Ordering Information

Product Numbers: W391.71 Beige

Package Size: 5 gallon pails

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

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.

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 or the Wasser website for the most current Product Data Sheets.

Shipping Information

Flash Point: 59°F (15°C)

Weight/gallon: 11.9 ± 1.0 lbs

DOT HAZARD CLASS

DOT PACKAGING GROUP II

DOT LABEL FLAMMABLE LIQUID

DOT SHIPPING NAME PAINT

DOT PLACARD FLAMMABLE LIQUID

UN/NA NUMBER 1263

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