Dupli-Color Mc100

Dupli-Color Mc100 Ground Coat Instruction Manual

Model: Mc100 | 11 oz Aerosol Can

1. Introduction

The Dupli-Color Mc100 Ground Coat is an essential component of the Dupli-Color Metal Cast Anodized Color System. This product is specifically formulated to provide a reflective and uniform base coating, which is critical for achieving the vibrant, translucent anodized effect when subsequently applying Dupli-Color Metal Cast Anodized Color sprays. It ensures consistent color and optimal adhesion for the topcoat.





Image: Dupli-Color Mc100 Ground Coat 11 oz aerosol can. This can features a silver cap and a black body with the Dupli-Color logo, "METALCAST", and "GROUND COAT" prominently displayed. Text on the can highlights its properties: "Reflective Color" and "Provides Uniform Base Coating".

2. Safety Information

Always prioritize safety when using aerosol paint products. Failure to follow safety guidelines can result in injury or property damage.

- **Ventilation:** Use in a well-ventilated area. Avoid breathing vapors. If used indoors, ensure adequate fresh air circulation.
- **Flammability:** This product is extremely flammable. Keep away from heat, sparks, open flames, and hot surfaces. Do not smoke during application.
- **Eye Protection:** Wear appropriate eye protection, such as safety glasses or goggles, to prevent accidental spray contact.
- **Skin Protection:** Wear gloves and protective clothing to avoid prolonged skin contact. Wash hands thoroughly after use.
- **Respiratory Protection:** If ventilation is inadequate, wear a NIOSH-approved respirator with organic vapor

cartridges.

- **Children and Pets:** Keep out of reach of children and pets.
- **Disposal:** Dispose of empty cans and unused product according to local regulations. Do not puncture or incinerate cans, even when empty.

3. Preparation

Proper surface preparation is crucial for optimal adhesion and finish quality.

1. **Clean Surface:** Ensure the surface is clean, dry, and free of dirt, grease, oil, wax, rust, and loose paint. Use a suitable degreaser or wax and grease remover if necessary.
2. **Sand (if needed):** For bare metal, lightly sand with 320-400 grit sandpaper to create a profile for better adhesion. For previously painted surfaces, sand to dull the gloss. Clean off all sanding dust.
3. **Masking:** Mask off any areas not intended for painting using painter's tape and masking paper or plastic.
4. **Temperature and Humidity:** Apply in temperatures between 50°F (10°C) and 90°F (32°C) and relative humidity below 60%. Avoid direct sunlight or extremely windy conditions.
5. **Shake Can:** Shake the aerosol can vigorously for at least one minute after the mixing ball begins to rattle. Continue to shake periodically during application.

4. Application (Operating Instructions)

Follow these steps for effective application of the Dupli-Color Mc100 Ground Coat:

1. **Test Spray:** Before applying to the actual surface, test spray on a scrap piece of material to check spray pattern and color uniformity.
2. **Distance:** Hold the can approximately 8-10 inches (20-25 cm) from the surface.
3. **Thin Coats:** Apply the ground coat in several thin, even coats using a steady, sweeping motion. Overlap each pass by about one-third. Avoid applying heavy coats, which can lead to runs or sags.
4. **Recoat Time:** Allow 10-15 minutes between coats. This allows solvents to flash off and prevents trapping.
5. **Number of Coats:** Apply 2-3 light coats to achieve a uniform, reflective silver finish. Ensure complete coverage without excessive build-up.
6. **Applying Metal Cast Anodized Color:** Once the ground coat has dried for at least 30 minutes (or until fully dry to touch), you can proceed with applying the Dupli-Color Metal Cast Anodized Color spray according to its specific instructions.

5. Drying and Curing

Drying times can vary based on temperature, humidity, and film thickness.

- **Touch Dry:** Approximately 30 minutes.
- **Handle Time:** Approximately 1 hour.
- **Full Cure:** 3 hours. For best results and maximum durability, allow the ground coat to fully cure before subjecting the item to heavy use or harsh conditions.

6. Storage and Maintenance

Proper storage and maintenance ensure product longevity and consistent performance.

- **Storage:** Store the aerosol can in a cool, dry, well-ventilated area away from direct sunlight, heat sources, and open flames. Do not store above 120°F (49°C).
- **Nozzle Cleaning:** After each use, invert the can and spray for a few seconds until only clear propellant comes out. This prevents the nozzle from clogging. Wipe the nozzle clean with a cloth.

7. Troubleshooting

Common issues and their solutions:

Issue	Possible Cause	Solution
Runs or Sags	Too much paint applied in one coat; can held too close to surface.	Apply thinner, even coats. Maintain proper distance (8-10 inches).
Poor Adhesion	Improper surface preparation (dirt, grease, rust); surface too smooth.	Thoroughly clean and degrease surface. Lightly sand bare metal or glossy surfaces.
Uneven Finish	Inconsistent spray pattern; insufficient shaking of can; uneven application.	Shake can vigorously before and during use. Apply with consistent, overlapping strokes. Ensure uniform coverage.
Clogged Nozzle	Paint dried in nozzle after use.	Invert can and spray until clear propellant appears after each use. Clean nozzle with a solvent if clogged.

8. Specifications

- **Brand:** Dupli-Color
- **Model:** Mc100
- **Item Volume:** 11 Fluid Ounces (311 g)
- **Finish Type:** Metallic
- **Paint Type:** Enamel
- **Surface Recommendation:** Metal
- **Indoor/Outdoor Usage:** Indoor, Outdoor
- **Special Feature:** Heat Resistant
- **Full Cure Time:** 3 Hours
- **UPC:** 844926030877
- **ASIN:** B00US4BO12

9. Warranty and Support

For specific warranty information or technical support regarding your Dupli-Color Mc100 Ground Coat, please refer

to the manufacturer's official website or contact their customer service department directly. Keep your purchase receipt for any warranty claims.

Manufacturer: Dupli-Color

Website: www.duplicolor.com (Example link, please verify official website)

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