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[Q & A](#) | [Deep Search](#) | [Upload](#)

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› [TAMIYA](#) /

› [TAMIYA 81768 Acrylic Mini XF68 NATO Brown Paint Instruction Manual](#)

TAMIYA 81768

TAMIYA 81768 Acrylic Mini XF68 NATO Brown Paint Instruction Manual

Model: 81768 | Color: XF68 NATO Brown

[Introduction](#)

[Safety Information](#)

[Setup](#)

[Operating Instructions](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

The TAMIYA 81768 Acrylic Mini XF68 NATO Brown is a high-quality acrylic paint designed for model building and various craft applications. This paint is formulated with water-soluble acrylic resins, making it suitable for both brush painting and airbrushing. It adheres well to styrene resins, Styrofoam, wood, and most common model plastics. The paint provides good coverage, flows smoothly, and can be easily blended to achieve desired effects. Before curing, the paint can be cleaned with plain water.



Image 1.1: TAMIYA 81768 Acrylic Mini XF68 NATO Brown paint bottle. This image displays the small bottle of Tamiya XF68 NATO Brown acrylic paint, indicating its color and packaging.

2. SAFETY INFORMATION

WARNING: FLAMMABLE LIQUID AND VAPOR. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing vapor or spray mist. Wear protective gloves, eye protection, and face protection. Keep container tightly closed.

First Aid:

- **If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor if you feel unwell.

- **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor.
- **If swallowed:** Immediately call a Poison Control Center or doctor. Do NOT induce vomiting.

Storage: Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulations.

Keep out of reach of children. Do not use for any purpose other than its intended use.

3. SETUP AND PREPARATION

1. **Ventilation:** Ensure adequate ventilation in your workspace. If working indoors, use a fan or open windows.
2. **Surface Preparation:** Ensure the model surface is clean, dry, and free of dust, grease, or mold release agents. Light sanding may be required for optimal adhesion on some plastics.
3. **Stirring the Paint:** Before each use, thoroughly stir the paint in the bottle. Use a stirring stick or a dedicated paint mixer to ensure pigments are evenly dispersed.
4. **Thinning (if necessary):** For airbrushing or achieving thinner coats, the paint may need to be thinned. Use Tamiya X-20A Acrylic Thinner or isopropyl alcohol. Start with a 1:1 ratio of paint to thinner and adjust as needed. For brush painting, thinning is generally not required unless very fine details are being painted.
5. **Protective Gear:** Wear appropriate personal protective equipment, including gloves and eye protection, especially when airbrushing.

4. OPERATING INSTRUCTIONS

4.1. Brush Painting

- Dip a clean brush into the paint. Avoid overloading the brush.
- Apply paint in thin, even coats. Multiple thin coats are preferable to one thick coat, as this reduces brush marks and improves drying time.
- Allow each coat to dry to the touch before applying the next.
- Clean brushes immediately after use with water or Tamiya X-20A Acrylic Thinner.

4.2. Airbrushing

- Ensure the paint is properly thinned for airbrushing (refer to "Setup and Preparation").
- Pour the thinned paint into the airbrush cup.
- Set your air compressor to the recommended pressure for acrylic paints (typically 15-25 PSI, adjust as needed for desired spray pattern).
- Apply paint in light, even passes. Keep the airbrush moving to avoid paint buildup and overspray.
- Allow flash drying between coats.
- Clean the airbrush thoroughly immediately after use (refer to "Maintenance").

4.3. Drying Time

Drying time can vary depending on humidity, temperature, paint thickness, and ventilation. Generally, Tamiya Acrylic Mini paints are touch-dry within 10-20 minutes and fully cured within 24 hours. For best results, allow ample drying time between coats and before handling or applying subsequent layers (e.g., clear coats, decals).

5. MAINTENANCE AND CLEANING

- **Brushes:** Immediately after use, rinse brushes thoroughly with water. For dried paint, use Tamiya X-20A Acrylic Thinner or a dedicated brush cleaner. Reshape bristles and allow to dry.
- **Airbrush:** After each use, empty any remaining paint from the cup. Flush the airbrush with Tamiya X-20A Acrylic Thinner or isopropyl alcohol until the cleaner sprays clear. Disassemble and clean the needle, nozzle, and other components as needed to prevent clogging.
- **Paint Storage:** Ensure the paint bottle cap is tightly sealed after each use to prevent the paint from drying out. Store in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Paint is too thick / Clogging airbrush	Insufficient thinning; paint has dried in nozzle.	Thin paint further with Tamiya X-20A Acrylic Thinner. Clean airbrush thoroughly.
Uneven coverage / "Spidering" (airbrush)	Paint too thin; air pressure too high; spraying too close.	Reduce thinner amount. Lower air pressure. Increase distance from surface.
Brush marks visible	Paint too thick; applying too much paint in one coat.	Apply thinner coats. Consider slight thinning for smoother application.
Poor adhesion	Surface not clean or properly prepared.	Ensure surface is clean, dry, and free of contaminants. Lightly sand if necessary.

7. PRODUCT SPECIFICATIONS

- **Brand:** TAMIYA
- **Model Number:** 81768
- **Color:** XF68 NATO Brown
- **Paint Type:** Acrylic
- **Finish Type:** Matte
- **Item Volume:** 3 Milliliters (1/3 oz)
- **Item Form:** Liquid
- **Special Feature:** Washable (prior to curing)
- **Surface Recommendation:** Plastic, Wood, Foam, Styrene Resins
- **Specific Uses:** Interior/Exterior model painting
- **Water Resistance Level:** Not Water Resistant (after curing)
- **UPC/GTIN:** 000045035944, 044455115919
- **Item Weight:** 0.01 ounces
- **Package Dimensions:** 2 x 1 x 1 inches (approximate)

8. WARRANTY AND SUPPORT

Specific warranty information for TAMIYA 81768 Acrylic Mini XF68 NATO Brown paint is not provided in the product details. For any questions regarding product defects, usage, or support, please contact TAMIYA customer service directly or refer to their official website for the most current information.

TAMIYA Official Website: www.tamiya.com



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