

## TAMIYA XF-65

# Tamiya Acrylic Model Paint XF-65 Field Gray Instruction Manual

## 1. PRODUCT OVERVIEW

This manual provides detailed instructions for the proper use and maintenance of Tamiya Acrylic Model Paint, specifically the XF-65 Field Gray color. Tamiya acrylic paints are formulated with water-soluble acrylic resins, making them versatile for both brush and airbrush applications. They adhere well to various surfaces including styrene resins, Styrofoam, wood, and common model plastics. The paint offers good coverage, smooth flow, and is easy to blend. Before it fully cures, the paint can be cleaned with plain water.



Image: A bottle of Tamiya Color Acrylic Paint, specifically the XF-65 Field Gray. The bottle features a dark green ribbed cap and a white label displaying the Tamiya logo (red and blue squares with white stars) and product details.

## 2. SAFETY INFORMATION

Always prioritize safety when working with model paints. Read and understand all instructions before use.

- **Ventilation:** Use in a well-ventilated area to avoid inhaling paint fumes. If working indoors, ensure adequate airflow or use a respirator.
- **Skin and Eye Contact:** Avoid direct contact with skin and eyes. In case of contact, rinse immediately with plenty of water. If irritation persists, seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- **Children:** Keep out of reach of children and pets. This product is not a toy.
- **Flammability:** While water-based, some thinners may be flammable. Store away from heat sources.

and open flames.

- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### 3. PRODUCT COMPONENTS

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The product package contains:

- One (1) bottle of Tamiya Acrylic Paint XF-65 Field Gray (75 Milliliters).

### 4. SETUP AND PREPARATION

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Proper preparation ensures optimal paint performance and finish.

1. **Shake Well:** Before each use, thoroughly shake the paint bottle to ensure pigments are evenly mixed.
2. **Surface Preparation:** Ensure the model surface is clean, dry, and free of dust, grease, or mold lines. Priming the surface is recommended for best adhesion and color vibrancy.
3. **Thinning for Airbrushing:**
  - For standard airbrushing, use **Tamiya X-20A Acrylic Thinner**. Follow the thinner manufacturer's recommendations for mixing ratios, typically 1 part paint to 1-2 parts thinner, adjusting as needed for desired consistency and airbrush performance.
  - For a faster drying time and a harder finish, **Tamiya Lacquer Thinner** can be used as an alternative for airbrushing. Exercise caution and ensure proper ventilation when using lacquer thinner.
4. **Enhancing Brushing Results:** To achieve a smoother, stroke-free finish when brush painting, consider adding **Tamiya Paint Retarder (87114)**. Add a small amount (e.g., 1-2 drops per 10ml of paint) and mix thoroughly.

### 5. OPERATING INSTRUCTIONS (APPLICATION)

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#### 5.1. Brush Application

- Apply paint in thin, even coats. Avoid applying thick layers, as this can lead to uneven drying and loss of detail.
- Allow each coat to dry completely before applying the next. This typically takes 10-20 minutes, depending on humidity and temperature.
- For best results, use a high-quality brush appropriate for model painting.

#### 5.2. Airbrush Application

- Ensure the paint is thinned to the correct consistency for your airbrush. A milk-like consistency is often a good starting point.
- Maintain a consistent air pressure, typically between 15-25 PSI, adjusting as needed for desired spray pattern and paint flow.
- Apply paint in light, even passes. Over-spraying can lead to pooling or runs.
- Allow flash-drying between coats to prevent paint build-up and ensure a smooth finish.

#### 5.3. Drying and Curing

- Tamiya acrylic paints are touch-dry within minutes. However, allow several hours for the paint to fully cure and harden before handling extensively or applying subsequent layers like clear coats or washes.
- The XF series paints, including XF-65 Field Gray, provide a flat (matte) finish.

## 6. MAINTENANCE AND CLEANING

Proper cleaning extends the life of your tools and ensures consistent results.

- **Brushes:** Immediately after use, clean brushes with plain water before the paint dries. For dried paint, use Tamiya X-20A Acrylic Thinner or a dedicated brush cleaner.
- **Airbrush:** Flush the airbrush with water immediately after painting. For thorough cleaning, especially after using lacquer thinner, disassemble and clean components with the appropriate thinner or airbrush cleaner.
- **Storage:** Always securely cap the paint bottle after use to prevent drying and contamination. Store in a cool, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

- **Paint is too thick/clogging:** Add a small amount of Tamiya X-20A Acrylic Thinner (or Lacquer Thinner for airbrushing) and mix thoroughly until desired consistency is achieved.
- **Poor coverage/transparency:** Ensure the paint is well-mixed. Apply additional thin coats, allowing each to dry completely. Consider priming the surface.
- **Visible brush strokes:** Ensure paint is not too thick. Add Tamiya Paint Retarder (87114) to slow drying and allow paint to self-level. Use a high-quality brush.
- **Paint peeling/poor adhesion:** Ensure the surface is clean, dry, and properly prepared. Priming may be necessary for certain materials.

## 8. SPECIFICATIONS

Brand	TAMIYA
Model Number	81365 (XF-65)
Color	Field Gray (XF-65)
Finish Type	Matte (Flat)
Paint Type	Acrylic (Water-soluble acrylic resins)
Item Volume	75 Milliliters
Unit Count	1 Count
Surface Recommendation	Plastic, Wood, Styrene Resins, Styrofoam
Special Feature	Washable (before curing)
Water Resistance Level	Not Water Resistant (after curing)
Item Weight	4.8 ounces

Manufacturer

Tamiya

9. STORAGE



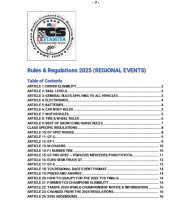
Store the paint bottle upright in a cool, dry place, away from direct sunlight, extreme temperatures, and freezing conditions. Ensure the cap is tightly sealed to prevent the paint from drying out.



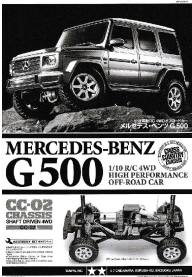
10. WARRANTY AND SUPPORT

Tamiya products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Tamiya website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, please visit: [www.tamiya.com](http://www.tamiya.com)

Related Documents - XF-65

	<p><a href="#">Tamiya 1/24 Peugeot 307 WRC Monte Carlo '05 Model Kit Assembly Instructions</a></p> <p>Detailed assembly instructions and painting guide for the Tamiya 1/24 scale model kit of the Peugeot 307 WRC, which competed in the 2005 Monte Carlo Rally. Includes parts list, tool recommendations, paint codes, and decal application tips.</p>
	<p><a href="#">Tamiya ITEM 24373 Model Kit Paints - Color Guide and Information</a></p> <p>Explore the Tamiya ITEM 24373 collection, featuring a range of model kit paints including TS-8 Italian Red, LP-2 White, LP-63 Titanium Silver, and more. This guide provides color details and product codes for hobbyists.</p>
	<p><a href="#">Tamiya Championship Series (TCS) 2025 Rules &amp; Regulations</a></p> <p>Official rules and regulations for the Tamiya Championship Series (TCS) 2025 regional race events. Covers driver eligibility, skill levels, general vehicle rules, electronics, batteries, car bodies, motors, tires, class-specific regulations (GT-1, GT-2, M-Chassis, F1, Euro Truck, GT-E, GT Pro Spec, GT Novice), event formats, prizes, and qualification for TCS Finals.</p>

	<p><a href="#">EU Declaration of Conformity - Tamiya 1:10 RC Lancia 037 Rallye TA-02S</a></p> <p>This document is the EU Declaration of Conformity for the Tamiya 1:10 RC Lancia 037 Rallye TA-02S model, issued by Tamiya-Carson Modellbau GmbH &amp; Co.KG, confirming compliance with relevant EU directives and harmonised standards.</p>
	<p><a href="#">Tamiya 1/72 Grumman F-14D Tomcat Decal and Paint Scheme Guide</a></p> <p>Comprehensive guide for Tamiya's 1/72 scale Grumman F-14D Tomcat model kit, detailing decal placement and paint schemes for US Navy squadrons VF-2, VF-213, VF-101, and VX-9.</p>
	<p><a href="#">Tamiya RC Mercedes-Benz G 500 (CC-02) Assembly Instructions</a></p> <p>Detailed assembly instructions and parts list for the Tamiya 1/10 RC 4WD High Performance Off-Road Car, Mercedes-Benz G 500 (CC-02) model kit. Includes step-by-step guidance, painting, and troubleshooting.</p>